**Ajay Kantamaneni**[ak4142186@gmail.com/](mailto:ak4142186@gmail.com/)

**PROFESSIONAL SUMMARY:**

* 6+ years of experience in design, development experience with **Java, J2EE** and **MVC Frameworks.**
* Experience in implementing **java, j2ee design patterns such as Singleton, Session Facade, business delegate, and factory.**
* Design and Implemented highly efficient and rich UI components using **JSP, HTML, CSS and JavaScript**
* Extensive experience in build, release and configuration management process.
* Experience in **AngularJS, ReactJS, NodeJS** frame work.
* Proficient in using RDBMS concepts and have experience in working with multiple relational databases such as **Oracle, DB2, MySQL and NoSQL database like MongoDB, Cassandra DB, Couch DB.**
* Extensive working knowledge in **UNIX, LINUX** and **Windows** platforms
* Having knowledge **on Java 1.8** features like Lambda expressions and functional interfaces, and Parallel Streams.
* Diverse experience utilizing tools in Microservices architecture applications using **Spring Boot, Spring Cloud config,** **AWS, My SQL, Restful Web Services.**
* Extensive experience in IDE tools like **Eclipse, Net Beans, RAD, WID (Web Sphere Integration Designer).**
* Experience in using Web Services like **JAXP - DOM, SAX, XSLT, JAXB - Un-marshalling and marshalling, SOAP protocol in JAX-WS and RESTFUL web services.**
* Experience in Spring Framework modules such as **Spring MVC, IOC, AOP, JDBC, JTA, IO, Spring Boot, Spring Microservices, Spring REST, Spring Eureka, Consul, Swagger UI, Sleuth, and SpringZuul.**
* Domain knowledge in Technology, Financial, Banking, Insurance and Healthcare industries.
* Experience on object-oriented development using agile development and tiered architecture.
* Top quality architecture and development skills using latest technologies including **Java, Spring Framework, Hibernate, and in-depth knowledge of J2EE**
* Strong skills in J2EE Technology with knowledge **in Core java, multithreading, EJB, JSP, Servlets, Hibernate, Struts, Spring, Web Services.**
* Experience in making the **Devops** pipelines using **Openshift and Kubernetes for the Microservices Architecture**.
* Track record of increasing responsibility in the business software design, Micro services, systems analysis/development and full lifecycle project management.
* Expertise in **Unit Testing, Integration Testing, System Testing and experience in preparing the Test Cases, Test Scenarios and Test Modules and Test plans.**
* Experienced in AWS Cloud platform and its features which includes EC2, S3, AMI, AWS VPC.
* Experience in Database tools like **SQL Developer and TOAD, Source control tools like StarTeam, Git, SVN.**
* Quick learner and excellent team player, ability to meet deadlines and work under pressure.

**TECHNICAL SKILLS:**

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| **Programming Languages** | Core Java, J2EE, PL/SQL. |
| **Web Technologies** | JSON, JSP, HTML, HTML4/5, CSS, DHTML, JavaScript, Angular JS, AJAX |
| **XML Technologies** | XML, XSL, XSLT, SAX, DOM, AXIS, Castor, XML Beans and JAXB. |
| **Web/App Servers** | Apache Tomcat 4.0/5.0/6.0, Web Logic 8.1/9.1, Web sphere 7.0, Web Sphere Application Server 8.0 & RAD 8.5, JBoss |
| **IDE** | Eclipse, Net Beans, Red Hat Developer Studio, WSAD, IBM RSA development IDE, IntelliJ |
| **Tools** | Splunk, Jenkins, WebEx, TOAD, Xml Spy, Ant, PL/SQL Developer, JUnit, JMock |
| **Operating systems** | Windows, UNIX, Linux and MS-DOS. |
| **Databases** | Oracle 8i/9i/10g/11g/12c, My SQL, MS SQL Server |
| **Frameworks** | Struts, CSS Frameworks, Spring (Dependency Injection, Spring MVC, Spring Access, DAO, Factory Pattern, Core, Spring Context, Spring AOP, Spring DAO, Spring IOC, Spring JDBC, Spring with Hibernate), |

**EDUCATION:**

**Bachelors in information technology, JNTU, Kakinada, India**

**Masters in computer science, Silicon Valley University, San Jose, CA**

**PROFESSIONAL EXPERIENCE:**

**Protective Life Insurance, Birmingham, AL Apr’19 – Till Date**

**Role: Sr.Java/J2EE Developer**

**Description:** Protective Life Insurance is a Insurance services company that provides transaction services to the Insurance industries. It also offers a broad range of quality assurance services that are used to ensure the quality of managed products and technology solutions.

**Responsibilities:**

* Interacted with other teams to capture business needs, manage expectations, and reviewed deliverables to ensure a successful implementation following Agile Scrum methodology.
* Involved in developing and maintaining services-based architecture utilizing open source technologies like Hibernate ORM and Spring MVC Framework
* Developed persistent classes, including association, inheritance, polymorphism, composition, generics and the Java collections framework.
* Implemented Angular.js component router for navigation and the services to connect the web application to back-end APIs.
* Worked with NoSQL database MongoDB and created pipeline from MongoDB Cluster.
* Involved with bug fixing on functionality, performance and designing issues with Vue JSPlugin and Chrome Developer tools.
* Familiarity with Postman Chrome extension for working with the RESTful API services and making requests to the server.
* Development of Client-Side validation techniques using JQuery and Vue JS directives.
* Development of custom Vue directives, which can be use along with HTML 5 components for DOM Manipulation.
* Developed Rest Api to processes the data from DB to another Rest Service.
* Supported queries and sort transactions by their own criteria using Angular JS which includes Date-binding, Data-filter and Custom Sorter Functions.
* Extensive use of Spring components like, Spring Core, Spring MVC, Spring Boot Micro Services.
* Implemented IBM MQ API to put get the messages from Message Queue.
* Developed Apache Camel endpoints and used producer template to route messages to JMS queues.
* Used Java 1.8 features such as Lambda Expressions to make the code concise and Stream API to increase the performance and manage some of the AWS Services.
* Used Amazon Web Services (AWS) like EC2, S3, cloud watch and Elastic Bean Stalk for code deployment.
* Supported queries and sort transactions by their own criteria using Angular JS which includes Date-binding, Data-filter and Custom Sorter Functions
* Developed the front-end web presentation layer on Spring MVC and Sencha EXT-JS framework.
* Used Angular JS 4/6 Reactive forms to implement complex forms and performed the validations using Form Builder.
* Implemented logging using Log4j.Responsible for the co-ordination with the team members and arranging meetings.
* Developed user interface using Angular JS services method is used to pull JSON data which is exposed through REST services
* Developed of server-side utilities like Servlets (Action Classes), Form Beans, Java Beans, DAO Using Struts.
* Used Postman to test the RESTful API for HTTP requests such as GET, POST, and PUT.
* Worked on NoSQL database like MongoDB as data storage and utilized aspects like replica sets, sharing and clever document design to make service extensible scale and feature wise.
* Setting up Oracle 11g RDS databases for new project, use data pump to migrate data to Relational Database Services (RDS)
* Implemented Spring MVC flow to interact with different modules and extensively used Spring AOP and Dependency injection during various modules of project.
* Developed web services components using Apache Camel, SOAP, WSDL, JAXB, and JAX- WS with java.
* Configured an AWS Virtual Private Cloud (VPC) and Database Subnet Group.
* Wrote complex SQL queries, DML scripts, stored procedures, triggers and PL/SQL packages to interact with SQL Server database
* Developed Rest Api in Node JS using express service.
* Used Rest Controller in Spring framework to create RESTful Web services and JSON objects for communication.
* Implemented Microservices using Spring boot, Spring Cloud, and Spring MicroServices.
* Designed and developed highly efficient and rich UI components using Struts framework. Used JSP, JavaScript, JSTL, JSF, EL, Custom Tag libraries, Tiles and Validations provided by struts framework, business components using Spring to develop user interface for user interaction screens.
* Designed, configured and deployed containers and Micro Services using EC2 Container in Amazon Web Services (AWS) for a multitude of applications utilizing the Amazon cloud formation.
* Used Maven for dependency and configuration management to add dependent external jars and bundles, run and deploy the application
* Used J2EE design patterns like MVC, Singleton and DAO Factory to provide a consistent, easily manageable and maintainable application.
* Utilized Kubernetes for the runtime environment of the CI/CD system to build, test deploy.
* Implemented Spring Circuit breaker pattern, integrated Hystrix dashboard to monitor Spring micro services.
* Involved in the Data Access Object layer for storing, updating and loading the data using Hibernate ORM.
* Implemented logging in the application using Log4j.
* Experience with container-based deployments using Docker, working with images, Hub and registries and Kubernetes.
* 1Responsible for generating SOAP Web services Client using Apache Axis2 from a WSDL document.
* Used spring framework for dependency injection and integrated with Hibernate. Involved in writing Spring Configuration XML file that contains object declarations and dependencies.
* Used Postman and HTTP Editor to test the RESTful API for HTTP requests such as GET, POST, and PUT.
* Developed Spring service and DAO layer for middleware data access and implemented Spring Declarative transaction management.
* Used build/deploy tools such as Jenkins, Docker for Continuous Integration & Deployment for Microservices.
* Consumed Restful Web services for retrieving the revenue analysis data using apache Http Client.
* Responsible for writing Unit Test Cases using JUnit. Responsible for Load Testing using Apache JMeter.

**Environment:** Java 1.7/ 1.8, JSP, Spring, AWS, EJB, JMS, XML, XSLT, JDBC, AJAX, HTML, CSS, Oauth 2.0, Bootstrap, JavaScript, Oracle 11g, Angular 4/6, Typescript, Restful, SOAP, jQuery, Hibernate, JPA, Microservices, Apache Camel, PL/SQL, JBoss, Docker, IBM MQ, Log4J, Maven, Mongo DB, Junit, Mockito, JIRA.

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**Discover Financial Services, Chicago, IL Jul’17 – Mar’ 19**

**Role: Java/J2EE Developer**

**Description**: Supporting Customer support and internal applications, reports, and data used by the Commercial business as well as many other groups across the corporation. support Commercial application systems used by Traders, Schedulers, Confirmation, Contracts, Pricing, Risk, Compliance, Credit, F&PA, Accounting and all levels of Management to manage the business.

**Responsibilities:**

* Involved in designing, developing and testing of J2EE components like Java Beans, Java, XML, Collection Framework, JSP, spring and Hibernate.
* Extensive use of Angular JS for developing the SPAs (Single Page Applications) for internal application/tool.
* Used Spring/MVC framework to enable the interactions between JSP/View layer and implemented different design patterns with J2EE and XML technology.
* Designed and implemented a Cassandra NoSQL based database and associated RESTful web service that persists high-volume user profile data for vertical teams.
* Designed and developed Microservices business components and RESTful service endpoints using Springboot.
* Involved in handling transactions using Spring Declarative Transaction management.
* Implemented DAO layer using different hibernate techniques like Inheritance, annotations and criteria interfaces.
* Used microservices with Spring Boot-based services interacting through a combination of REST and Rabbit MQ or Apache Kafka message brokers.
* Development of Client Side validation techniques using JQuery and Vue JS directives.
* Implementing and maintaining the reusable components in the Vue.JS.
* Development of custom Vue directives, which can be use along with HTML 5 components for DOM Manipulation.
* Used SOA Integration service for Data Integration Service and Functional Integration Service, used SOAPUI for the functional testing.
* Created Stored procedures using PL/SQL for data modification (Using DML insert, update, delete) in Oracle.
* Developed user interfaces for policy owner module using JSPs, Struts Tag Library, and Tiles.
* Designed and developed asynchronous RESTful Microservices using Springboot, Cassandra DB and RXJava that are consumed by other Microservices with an average response time of 30 milliseconds.
* Performed Front end validations for the screen using JavaScript, Angular2 directives and core java.
* Developed CI/CD system with Jenkins on Kubernetes environment, utilized Kubernetes and Docker for the runtime environment for the CI/CD system to build, Test and Deploy
* Automated Angular JS application module using protractor and Jasmine and created specs for various functional scenarios
* Object Relational Mapping tool (ORM) experience with Hibernate, iBatis, TopLink, JPA
* Implementing the new message retry mechanism using Kafka in the event of any failure in the downstream systems.
* Designed micro services to fetch from legacy and upload in couch base from/to multiple buckets using Couch base SDK Java client.
* Diverse experience utilizing tools in Microservices architecture applications using Spring Boot, Spring Cloud config, AWS, My SQL, Restful Web Services.
* Implemented routing logic and navigation from screen to screen and implemented functionality on the client side in Angular JS.
* Deployed the Services onto the OpenShift to run docker containers, via Kubernetes on cloud infrastructure.
* Built an Application and deployed Microservices in the AWS Cloud using Docker containers.
* Created various spring boot and spring batch applications to connect them to various databases and created queries to retrieve data and modify the tables for the databases.
* Performed client side and Server-side validations using Struts validations. Created Action Form beans and performed validation by configuring the Struts Validator.
* Designing new components to fit in the already existing architecture using core Java, multi-threading different design patterns like the factory method, Abstract factory pattern, Singleton. While developing web-based applications used Web Services, both SOAP/WSDL and REST
* Implemented various routing mechanisms in the webpage using React JS. With the concept of React JS Worked on usage metrics and also end to end events tracing for analysis purpose.
* Spring Boot Microservices were developed with microservice architecture using REST and Apache Kafka.
* Used Jenkin to provide continuous integration service for Server configuration management.
* Used Maven to acquire the dependencies and build the application. Used perforce as a version control system. Anthill pro to deploy the application into JBOSS.
* Developed Web Services using XML messages that use SOAP. Developed Web Services for Payment Transaction and Payment Release.
* Consumed RESTful Web Services using JAX-RS API and Web Services Annotations.
* Developed the war/ear file using Ant script and deployed into Web Sphere Application Server.
* Used object storage container to store the secured files and retrieved from API by using Amazon web services AWS.
* Extensively worked on developing UI components using Angular 2 and JSON to interact Restful services like Jersey API.
* Unique experience with Pivotal Cloud Foundry and Open Shift/Kubernetes architecture and design, troubleshooting issues with platform components (PCF), and developing global/multi-regional deployment models and patterns for large scale developments/deployments on Cloud Foundry and OpenShift/Kubernetes
* Implemented various complex PL/SQL queries and Stored Procedures.
* Used Hibernate ORM framework as persistence layer, configured O/R mapping & wrote hibernate queries.
* Implemented complex business Delegate layer using DAO’s created and business logic.
* Exposed various capabilities such as Web Services using Restful Framework (Spring MVC Framework)
* Configured and created application log files using Log4J required to trace application messages.
* Designed and developed JUnit test cases during the development phase.
* Implemented fail safe and circuit breaker patterns in Spring Boot Micro Service applications using Hystrix and monitored the services using Hystrix Dashboard.

**Environment:** Java, J2EE, Spring MVC, Angular JS 2/4, Hibernate4.3x, JSP, HTML, XML, CSS, AJAX, JavaScript, Bootstrap, GWT 1.6, React JS, Apache Kafka, jQuery, Rabbit MQ, WSDL, RESTful web services, MongoDB, Oracle 10g/ 11g, JMS, WebLogic, JUnit, Log4j, Git.

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**Aquilent Inc. Laurel, MD Oct’15 – Jun’17**

**Role: Java/J2EE Developer**

**Description:** Aquilent provides IT solutions and services. The application helps clients, customers and IT sectors offer digital strategies, web content management, cloud computing, and portal services.

**Responsibilities:**

* Designed and development applications using Agile, UML and OOAD.
* Designed and developed the project using MVC design pattern and integrated JSF and EJB's.
* Developed user management screens using JSF framework, business components using EJB framework and DAO classes using Hibernate framework for persistence management and involved in integrating the frameworks for the project.
* Wrote REST APIs in java 7 to support internalization, and apps to help our buyer team visualize and set portfolio performance targets.
* Using Hibernate as ORM tool to store the persistence data into the Oracle 10g database.
* Used Middleware, Redux-Promise in application to retrieve data from Back-End and to also perform RESTFUL services.
* Used ReactJS to create a single page web application with efficient data flow between the client and server.
* Used Hibernate, object/relational-mapping (ORM) solution, technique of mapping data representation from MVC model to Oracle Relational data model with a SQL-based schema.
* Implemented REST Microservices using spring boot. Generated Metrics with method level granularity and Persistence using Spring AOP and Spring Actuator.
* Worked on Cassandra Data modelling and Cassandra Database administration
* Developed the UI screens using HTML5, CSS3, React JS & jQuery.
* Extensively used factory object in React JS to use the common functions in different views to reduce redundancy and improve maintenance of the code.
* Worked on extracting event data from front end using Kafka REST proxy. Used Kafka frameworks for messaging and queuing.
* Handled response data from RESTFUL web services using XML, SOAP and JSON to update UI.
* Plan, deploy, monitor, and maintain Amazon AWS cloud infrastructure consisting of multiple EC2 nodes and VMWare Vm's as required in the environment.
* Deployed application into Docker container and Docker consoles for managing the application life cycle on Kubernetes deployment manager and monitored on Git.
* Used in-built market place services of PCF for RabbitMQ, MySQL config. Restful API’s are created to handle real-time request/response.
* Deployed PCF on AWS EC2 to manage the containers created by PCF.
* Used ReactJS components, Forms, Events, Keys, Router, Animations and Flux concept.
* Implemented the project as a multi-tier application using Spring MVC & used core Spring concepts like AOP, IOC.
* Developed UI for Customer Service Modules and Reports using JSF, Xhtml, Prime Faces, Apache My Faces Components, JavaScript and Backing Beans.
* Hibernate as an ORM tool for OR mappings and configured hibernate.cfg.xml and hibernate.hbm.xml files to create the connection pool.
* Built the customized ETL tool for migrating the data from MS SQL Server to Couchbase server which builds varieties of documents for later use of web services, which pulls the data from Couchbase in JSON format.
* Used spring config server for centralized configuration and Splunk for centralized logging. Used Concourse and Jenkins for Microservices deployment
* Designed & Developed ORM persistence layer using JPA Hibernate framework.
* Created ORM using JPA annotations and defined persistence classes to persist the data into Mysql Database.
* Worked on advanced Hibernate associations with multiple levels of Caching, lazy loading.
* Involved in writing JSF Backing Beans for controlling the UI and writing custom components and validations.
* Implemented business logic in Middle Tier using pluggable components, which were specified in the customized xml documents using Spring framework.
* Designed stored procedures, triggers and functions in MySQL and DB2 for business-critical requirements. Created E-R graphs and relationships among different database and creation tables with low coupling.
* Developed Message Driven Beans (MDBs) for receiving and processing data from IBM MQ Series using JMS.
* Rational Clear Quest used for defects, change tracking across the application.
* Design and developed Maven scripts to build and deploy the application in JBoss.
* Created RESTful web service barcode Controller for handling the WebServices request from an UI application.
* Developed the Restful web services and shared service details to the UI team for integration.
* Used Jenkins for continuous integration and Maven for building the EAR file.
* Developed Docker Files and configuration scripts to spin the Devops container stack on demand.
* Used Micro Services architecture, with Spring Boot-predicated services interacting through an amalgamation of REST, Swagger, Cassandra and MQ message brokers and leveraging AWS to build, test and deploy Identity micro services.
* Spring Boot Microservices were developed with microservice architecture using REST and Apache Kafka.
* Wrote build & deployment scripts using ANT on Linux environment and deployed the application on websphere server.

Environment: Java/J2EE, JMS, JNDI, JSP, JSF 2.0, JavaScript, Oracle 10g, PL/SQL, Spring boot, React JS Spring

MVC/JDBC/IOC, Maven, Jenkins, Test NG, Apache Kafka, IBM MQ WebLogic 10, Active MQ, Couch DB, GitHub, Junit, Jenkins, Swagger, Hibernate, AWS, CVS

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Shenandoah Technology Systems, India Apr’13 – May’15

**Role: Jr.Java/J2EE Developer**

**Responsibilities:**

* Struts Framework in conjunction with JSP and Tag Libraries used in developing user Interface for administrative screens and user interaction screens.
* Documenting and understanding the business requirements and use cases for the application.
* Involved in team discussions in laying out the architecture and designing of the prototype. Involved in UML design.
* Involved in enhancement of existing application utilizing Node JS created role-based HTML navigation menu wherein menu items change dynamically based on the values derived from the database in the form of XML.
* Involved in enhancement of existing application utilizing Node JS created role-based HTML navigation menu wherein menu items change dynamically based on the values derived from the database in the form of XML.
* Implemented React JS Controllers to maintain each view data where the client implemented the UI using ReactJS.
* Used Hibernate as ORM framework to persist data onto MS SQL database by implement persistence layer.
* Converted a monolithic app to microservices architecture using Spring Boot using 12-factor app methodology. Deployed, Scaled, Configured, wrote manifest file for various Microservices in PCF.
* In the project I used Eclipse, Spring boot to create Micro Services, Hibernate, Rest API, Java 8, Workbench, MySQL, MERISE and UML as technologies. The purpose of the project Creates an application Manage the transactions the service registrar, calculate student GPA and secretariat at the University INUKA.
* Performed role of key trainer for delivering courses in practical work including Basic Programming, C and C++ Programming, Java Programming, Software Engineering, Object Designing and Database files.
* Used MVC Architecture (Struts) with J2EE standards.
* Used spring config server for centralized configuration and Splunk for centralized logging. Used Concourse and Jenkins for Microservices deployment
* Design and development of front end using JSP, struts, AJAX, XML, JavaScript.
* Design and development of Action & Form objects as part of Struts frame work.
* Implemented the persistence of data using hibernate. The object data model and the corresponding XML implementation were designed and implemented.
* Involved in the Development and Deployment of Stateless Session beans.
* Generated deployment descriptors for EJBs using XML

Environment: Java 1.4, Node JS, React JS, PCF, SQL, MVC, Spring boot, JSP, JSTL, AJAX, Spring, RAD, SQL Server, Micro services, Oracle 10g, JBoss, Couch DB, JavaScript, HTML, CSS,

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**Exceloid Software Systems, India Jun 12 - Apr’ 13**

**Role: Jr. Java Developer**

**Responsibilities:**

* Actively participated in meetings with Business Analysts and Architects to identify the scope, requirements and architecture of the project.
* Used Node.js framework Express JS for better organization of the code.
* Involved in design phase and data modeling team.
* Implemented JEE standards, MVC architecture using Spring Framework.
* Developed cross-browser/platform HTML, CSS, and JavaScript to match design specs for complex page layouts while adhering to code standards
* Implemented React JS Controllers to maintain each view data where the client implemented the UI using ReactJS.
* Developed Spring MVC controllers and REST services to hit other internal and external API's to perform a task.
* Started as a monolithic application that runs on Jboss, later migrated it in to a set of Spring boot and Node.JS Micro Services.
* Developed REST API's using Spring MVC and Spring boot, hosted all microservices on PCF.
* Implemented various Validation Controls for form validation and implemented custom validation controls with JavaScript and jQuery.
* Developed presentation tier using JSP, JavaScript, HTML, and CSS for manipulating, validating, customizing, error messages to the User Interface.
* Used Microservices to communicate using synchronous protocols HTTP and REST for implementing SOAP.
* Created standards and patterns for deploying a spring boot data micro-service architecture to PCF
* Used config-server options of PCF for maintaining application properties pertaining to each environment and enable communication via cloud
* Designed dynamic client-side JavaScript codes to build web forms & simulate process for web application, page navigation and form validation
* Extensively used Java Multi-Threading concept for downloading files from a URL.
* Used J2EE design patterns like Front Controller, MVC, Business Delegate and Session Facade. Developed User Interface and web page screens for various modules using JSF, JavaScript, and AJAX using RAD.
* Generated Use case diagrams, Class diagrams and Sequence diagrams using Rational Rose.
* Write front-end code for developing new pages using HTML, CSS, JavaScript, and jQuery.
* Worked on Eclipse for development and deployment of application in JBoss Application Server.

**Environment:** Java 1.4, Struts 2.2, Hibernate, EJB, WebLogic Server, HTML, CSS, JUnit, JSP, Servlets, JMS, Oracle 9i, Windows XP, MVC Pattern, SVN, Log4J.