**Dheekshit C Nallamothu**

Sr. Full Stack Java Developer

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SummarY

**About 7 years** of development experience as **Full Stack JAVA Developer** in various phases of Software Development likeanalysis, design, coding, testing, deployment and production support.

* Hands-on experience in the **Software Development Life Cycle (SDLC)** Phases such as Analysis, Planning, Design, Implementation, Testing and Maintenance in domains like **Banking, Insurance, Healthcare, and Finance** and familiar withvarious methodologies like **Waterfall**, **Agile**, **Scrum**, **Test Driven development**
* Have experience in IT industry comprising of Development, Systems Administration and **Software configuration management (SCM)** includes **Devops Build/Release Management.**
* Experience in Core Java with a strong understanding and working knowledge of Object-Oriented Programming (OOP) Concepts like Collections, Multi-Threading, Exception Handling, java packages, sub-packages, Applet, Regular Expressions, Abstraction, Encapsulation, Inheritance, and Polymorphism.
* Designed, Developed and Deployed Web pages and Front-End components (UI) using **HTML5, DHTML, CSS3 (SASS, LESS), JavaScript, jQuery, Angular, AJAX, Twitter Bootstrap** following W3C Web Standards that are responsive and browser compatible.
* Expertise in developing enterprise applications with **Design Patterns**such as **Singleton, Factory, Builder, Observer, Prototype, Facade, Proxy,**and **Decorator.**
* Experience in using frameworks like **Struts, Strut’s validator framework, JSF, Hibernate and OR-mapping, JPA, Spring, build** tools like **ANT, MAVEN,**and logging framework **Log4J.**
* Experience in database modeling, design and development of **PL/SQL stored procedures, packages**in relational databases: **Oracle 10g/11g, IBM DB2, MySQL, Sybase, SQL Server 2000, and MongoDB.**
* Good Experience in implementing Web Services such as **SOAP using WSDL**, **JAX-WS** and **REST using Spring Boot, Apache CFX, JAX-RS and Jersey Frameworks.**
* Performed Unit testing on angular applications using tools like **Karma, Jasmine**, Integration testing using **Selenium, Hudson, Jenkins, Cucumber, chai, Mockito, Protractor.**
* Extensively worked using **AWS services** along with wide and in depth understanding of each one of them.
* Experienced with event-driven and scheduled **AWS Lambda** functions to trigger various **AWS** resources.
* Various Application servers and Web Servers which includes **Apache Tomcat, Web logic Server, JBoss, WebSphere.**
* Background in composing **API's** along with **Web Services** over **Python**
* Hands on experience with version control systems like**GIT** and **SVN**for providing common platforms for all the developers.
* Knowledge of using flux architecture in ReactJS for building client-side web application.
* Knowledge of rendering large data sets on the application view using **ReactJS.**
* Strong Professional working experience in programming with core Java, J2EE, Swing, Servlets, Java Server Pages, Java Beans, JDBC, and MVC Architecture.
* Highly self-motivated, communications and interpersonal skills.
* Committed team player with strong analytical and problem-solving skills, ability to quickly adapt to new environment and technologies.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Java/J2EE Technologies:** | Core Java, J2EE, Java 7, Java 8, JSP, Servlets, JSTL, JDBC, JMS, JNDI, RMI, EJB, JFC/Swing, AWT, Applets, Multi-threading, Java Networking, REST/SOAP Services, Spring MVC, Hibernate, Java Reflection API. |
| **Web Technologies** | HTML/HTML5, CSS/CSS3, Twitter Bootstrap, DHTML, XML, XHTML, JavaScript, AJAX, jQuery, JSON. |
| **JavaScript Libraries** | AngularJS, Node.js |
| **Content Management** | WordPress, Drupal, Percussion, Site Press. |
| **IDE's and Development Tools** | Eclipse IDE, Dreamweaver, Notepad++, Firebug, Sublime text, Adobe Photoshop, Macromedia Fireworks |
| **Wire Frame Tools** | Balsamic, Mockingbird (basic idea on wire frame and visual design) |
| **Debugging Tools** | Firebug, Chrome Developer, IE Developer Tools. |
| **Design Patterns** | Front Controller, Singleton, Business Delegate and DAO patterns. |
| **Database** | SQL, Oracle, MySQL. |

**Verizon- Colorado Springs, Colorado October 2019 – Present**

**Full Stack Developer**

**Key Projects & Accomplishments**

* Involved in all phases of Software Development Life Cycle like Requirements gathering, Analysis, Design, and implementation of the project.
* Involved in developing web application using React JS, HTML5, CSS3, AJAX, JSON and jQuery.
* Develop and tested many features for dashboard using Java, Bootstrap, CSS, JavaScript, and jQuery.
* Worked in Agile Methodology and involved in Sprint Planning meetings to estimate the Features.
* The application is built based on Micro Services Oriented Architecture and developed dynamic single page applications using Angular 6 framework with HTML5, CSS3 and Twitter Bootstrap
* Creating end to end single page application (SPA) using HTML, CSS3, SCSS, React JS framework and managed to cache the application using Service Worker Support.
* Experience in implementing Component life cycle architecture, store actions, using socket.io in React-Redux app to handle real time data, installing React Router, Thunk Redux for API calls in React JS.
* Achieved scalable websites by focusing on accurate implementation of React JS and Redux.
* Have extensively used Java8 Streams, Lambda Functions, Predicates, Functional Interfaces, Method References, Filters, Collections and Default Methods.
* Implemented Spring Framework including Spring Core/IOC, Spring AOP for programmatic transaction management, also used other modules of Spring DAO along with Struts Framework to deal with database.
* Provided R&D consulting to solve bandwidth throughput issues around RedHat for their custom big data SAS analytics IaaS, PaaS, and SaaS platform.
* Involved in DevOps processes for build and deploy systems.
* Utilized Cloud formation and Puppet by creating DevOps processes for consistent and reliable deployment methodology.
* Worked on Docker container snapshots, attaching to a running container, removing images, managing director structures and managing containers in AWS ECS.
* Developed microservice on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
* Integrated Spring with Hibernate using configurations and implemented DAO layer to save entities into data base.
* Extensively worked on Drools Rules Engine and Expectation Engine for writing Business rules Validation.
* Agenda Filter is used to distinguish between the same rules applied to different categories.
* Integrated the Drools and JBPM to application framework which involved dynamic creation of knowledgebase and Knowledge session.
* Developed spring boot applications for REST services and deployed in Pivotal Cloud Foundry (Pivotal Application Service, Container Service and Functional Service).
* Worked on Spring cloud for Routing, Service-Service calls, Distributed Messaging, Global locks.
* Created Stored Procedures, user defined functions and Views, modified already existing stored procedures, triggers, views, indexes depending on the requirement.
* Implemented MongoDB queries for reporting and analysing production data and used various concepts such as locking, transactions, indexes, sharing, replication, and schema design.
* Used Python to build an interactive web-based solution and for designing database Model.
* Migrated from SOAP to REST Web Services to work with different data formats.
* Developed Applications using Rule Engines-JBoss Drools 4.x, Workflows, Human tasks to implement business rules validations and provided Drools Dashboard for business users.
* Designed and implemented an event-driven microservices architecture using Apache Kafka.
* Configured Kafka to read and write messages from external programs.
* Used OAuth for authenticating user using third party services.
* Deployed the Application into Docker container and made easily accessible at runtime.
* Used Maven as build and dependency management tool for creating EAR, WAR and JAR file to be deployed in application servers and integrated with Jenkins, Jenkins Jobs.
* Involved in developing web application using Spring MVC integrated with Thymeleaf.
* Technologies used core Java JavaScript jQuery GSP Thymeleaf Spring Hibernate Groovy AJAX XML, Junit Maven Apache Gradle Activiti Platform Bootstrap Framework Grails Framework Subversion SVN Git Team City.
* Have written controllers with Groovy to connect front-end interfaces with java services and used to achieve functionality with reduced code length and developed Groovy test cases.
* Performed cross browser testing by using Selenium Grid on multiple browsers and on different platforms.

**Environment:** Java and J2EEdesign patterns, HTML5, **CSS3,** **Angular 7, Bootstrap,** Splunk, JUnit, Mockito, Groovy, Jenkins, Maven, OAUTH, Docker, JBOSS, Microservices, Spring Boot, Apache Kafka, MongoDB, Python, AWS, **Lambda expressions, Spring AOP.**

**Oppenhiemer Funds- Englewood, Colorado** **September 2018 – October 2019**

**Full Stack Developer**

## Key Projects & Accomplishments

* Responsible for gathering and analysis of business requirements. Involved in all SDLC (Software Development Life Cycle) Phases of the project.
* Adopted Agile Software Development Methodology.
* Designed and developed customer registrations and login screens using, HTML and DHTML.
* Worked on the application using JSF, AngularJS for front end, Spring to manage business layer components and hibernate for performing database transactions.
* Worked on the application on Eclipse as the IDE and used eclipse standard/plug-in features for editing, debugging, compiling, formatting, build automation, test case template generation.
* Worked on front end, business, and persistence tier using the JSP, Java Script, Spring, and hibernate frameworks.
* Responsible for Design and development of UI Framework which includes employing JSF in the presentation layer, integrating Ice Faces and my Faces in JSF, configuring Ice Faces Filter and Faces Servlet in the configuration file.
* Created S3 buckets in the AWS environment to store files, sometimes which are required to serve static content for a web application.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java.
* Configured S3 buckets with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.
* Designed and implemented Kubernetes applications and migrated the Microservice Based applications from Virtual Machines to Docker containers and managed the clustered containers using Kubernetes.
* Used Continuous delivery / Continuous Integration (CD/CI) tools Docker, Jenkins to deploy this application and used GIT for Version Control of code for incremental development.
* Designed and developed Microservices based business components and RESTful service endpoints using Spring boot.
* Used different spring components like Spring MVC to manage business layer. Used various built-in controllers (abstract, simple form) of spring MVC. Used Spring Web flow to navigate between pages.
* Design developed and declared EJB's by using Dispatcher Servlet-XML of Spring MVC.
* Involved in developing code for obtaining bean references in spring framework using Dependency Injection (DI) or Inversion of Control (IOC) using annotations.
* Implemented Service Oriented Architecture (SOA) using JMS for sending and receiving messages while creating web services.
* Implemented JSF Converters to Localization and configured the faces-config.xml to create a web application navigation rule.
* Development of Controllers using Struts2 and modifying the handlers required for the new requirements and enhancements.
* Used Java Messaging Services (JMS) for reliable and asynchronous exchange of important information.
* Developing an Independent validation framework for validating the input forms Confidential server side.
* Analyse Performance and redesign of system for scalability and low latency. Used SOAP-UI to test the Web Services using WSDL.
* Used multithreading concepts to overcome errors in the process of concurrent quote transactions. Deployed the application in clustered environments for load balancing and Server failover conditions.
* Developed JUnit test cases to unit test the business logic and involved in testing the application in the integration environment.
* Extensively worked with the retrieval and manipulation of data from the Oracle database by writing queries using SQL and PL/SQL.
* Successfully executed all the test cases and fixed any bugs/issues identified during the test cycles.

**Environment:**  Java, J2EE, Spring MVC, JSF, JSP, AJAX, Ice faces, my faces, WebLogic, Spring, Hibernate, MS, AngularJS, Eclipse, Servlets, Oracle 10g, AJAX, ANT, SVN, Quality Center.

**Seef IT Technologies, Hyderabad, India June 2015 – July 2018**

**Full Stack Developer**

## Key Projects & Accomplishments

* Developed the presentation layer with responsive web design experience using Bootstrap, Angular 6, JavaScript, CSS, HTML, and jQuery.
* Worked on creating RESTful services for Data Sync module that is invoked using Angular 6. Used JavaScript and Angular 6 for client-side validations.
* Extensive knowledge on developing applications in a single page (SPAs) using various JavaScript frameworks like Angular, React.
* Experience in Enterprise Integration Development using Apache Camel Framework.
* Involved in converting Hive/SQL queries into Spark transformations using Spark RDD, Scala and Python.
* Set up restful API to connect web application with Cassandra database.
* Developed hybrid mobile platform for automotive applications using JavaScript and React Native.
* Design and implementation of Spring-Security for the application for authentication process against LDAP, J2EE pre-authentication, and Database.
* Used Spring framework's declarative transaction management to handle transactions.
* Involved in working with J2EE Design patterns (Singleton, Factory, DAO, and Business Delegate) and Model View Controller Architecture with Angular 6 for frontend.
* Involved in development of business logic which includes code-behind files, User controls and classes in the middle tier using C# .NET.
* Using Angular 6 created custom directives for data manipulations and to display data in company standard format in UI and Used Angular 6 for databinding, and Node JS for back-end support with APIs.
* Experience in Integration of Amazon Web Services AWS with other applications infrastructure.
* Involved in developing REST applications. Worked on developing and integrating SOAP based services.
* Used Postman and Soap UI tools. To test REST API services.
* Testing JSON output using POSTMAN.
* Built application interface and web scrapping scripts using OO designing, UML and python scripting.
* Adopted Spring IOC to increase application flexibility and replace the need for hard-coded class-based application functions.
* Built System according to MVC architecture by using Spring MVC pattern and developed the application using Spring-MVC and IOC/Dependency Injection integrating different layers of the application.
* Involved in working on **DevOps** teams and help automate server and infrastructure configurations using **shell scripting** and building**Docker Images**.
* Used Apache Kafka (Message Queues) for the reliable and asynchronous exchange of important information between multiple business applications.
* Involved in production support of various applications developed in VB.Net and C#.
* Worked on providing authorization and authentication to applications using Spring security and protected the application against attacks like session fixation and click jacking.
* Integrated **Spring Security** with **JDBC** to manage user registration and login.
* Developed server-side services using Java, Spring, Web Services (SOAP, Restful, WSDL, JAXB, JAX-RPC).
* Extensively used Spring JDBC template and Hibernate for performing Database Transactions.
* Looking into the Splunk logs for hidden application errors.
* Defined Object sq Mapping for Hibernate and performed spring integration with Hibernate for data access and Designed and developed Service layer using Spring framework and Hibernate.
* Experience in Integration of Amazon Web Services **AWS** with other applications infrastructure.
* Deployed My own Code onto Git Environment and applied some Hooks to automate the process of Continuous Integration and Continuous deployment. CI and CD.
* Used JAXB to bind XML documents to a Java object model.
* Worked on MongoDB which is a NoSQL Database management system a document-oriented database.
* Used PowerShell scripting to automate installer process which is written in C# code.
* MongoDB has flexible schemas and we used collections for the content types. We Stored data using the Documented approach which looks like JSON format.
* Worked closely with infrastructure team to configure the JBOSS server and testing the performance of application.
* Involved in Fixing the UAT Bugs, change requests (CRs) analysis and impact analysis of CRs.
* Used Apachelog4jon several occasions to log regular Debug and Exception statements.
* Used Windows Azure Service Bus to deploy the build into the cloud by creating multiple instances.
* Used Jenkins for automate testing of our builds and done continuous integration and continuous deployment.
* Designed and developed asynchronous RESTful Microservices using Spring boot, Couchbase and RxJava that are consumed by other Microservices.
* Developed Rest API to processes the data from DB to another Rest service.
* Wrote unit testing codes using JUnit, resolved bugs and other defects using Firebug and Eclipse's debugging tool.
* Used Web Services to exchange information. Used SOAP framework and WSDL.

**Environment:** Java 1. 8, Eclipse, JSF, HTML, Spring, Hibernate, XML, JBOSS, JVM, react hooks, Windows, bootstrap, Python, React Native, Spring Boot, Spring security, AWS, RESTful API, JSP, DevOps, Kubernetes, Apache Tomcat, Apache Kafka, WSDL, SOAP, Log4j, JUnit, CVS, Azure, Mongo, Jenkins.

**Sharp Info, Hyderabad, India June 2014 – March 2015**

## Full Stack Developer

## Key Projects & Accomplishments

* Involved in various phases of Software Development Life Cycle (SDLC) of the application like requirement gathering, Design, Analysis and Code development.
* Followed Agile with scrum methodology as software development process to build the web-based application.
* Designed and developed the front end of the web-based application using HTML, CSS and made client validations using JavaScript, jQuery.
* Used ASP.NET AJAX Toolkit controls like Script Manager, Update Panel and Timer in some web pages.
* Development of UI models using HTML, JSP, JavaScript, AJAX, Web Link and CSS.
* Written unit test cases using Junit testing framework for testing.
* Worked extensively on Oracle Server backend database development.
* Created complex queries, views, functions, and stored procedures using PLSQL.
* Used various Core Java concepts such as Multi-Threading, Exception Handling, Collection APIs to implement various features and enhancement.
* Created Hibernate Mappings for the persistence layer.
* Used Hibernate as ORM to integrate with the backend database and implemented data access using Hibernate persistence framework, created XML mapping files to map POJO to DB tables.
* Testing, evaluation and troubleshooting of different NoSQL database systems and cluster configurations to ensure high availability in various crash scenarios.
* Create and configured the continuous delivery pipelines for deploying Micro Services and lambda functions using Jenkins CI server.
* Developed Restful Micro Services using Spring Rest and MVC, for OSS services.
* Implemented SOA architecture using SOAP web services by using Apache CXF and JAX-WS.
* Implemented SOAP and a subset of XML schema for a Web Service toolkit and for web services integration.
* Created web services using SOAP for SOA to get data from Mainframes and content manager.
* Used J2EE design patterns like DAO, Value Object, Service Locator, MVC and Business Delegate.
* Developed/Customized Java Server Pages (JSP) for Customer User Interface (UI).
* Developed JSP custom tag libraries.
* Involved in production support, monitoring server and error logs.

**Environment:** Java 1.7, Struts, Spring, Hibernate, .net, Servlets, JDBC, jesoapjunit 9i, AJAX, JavaScript, CSS, HTML, Web Sphere, Apache Axis, Agile Scrum, NoSQL, ExtJS, Ant, Maven, Git, JUnit 4.2, Design patterns, Web Services (like REST, SOAP).

**Education:**

* Bachelor’s in Electronic and Communication Engineering from Jawaharlal Nehru Technological University during 2013 to 2017.
* Master’s in computer science from University of Bridgeport during 2018 to 2020.