

Vinuthna Patchala

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PROFESSIONAL SUMMARY

- Results oriented **software engineer with 8+ years of experience** in application development using JAVA/J2EE technologies, Spring, Hibernate, Web Services (Soap & Rest), Struts, MVC.
- Proven record of **timely & quality project deliveries** in spite of aggressive deadlines.
- **Rich experience in designing and maintain a full project life-cycle** – requirement analysis, technical solutioning, estimation, development, testing, configuration management and production support.
- Proven ability **to communicate solution strategy's** with demonstrated aptitude to analyze and translate complex business problems, design and develop with **Agile** (Scrum & Kanban).
- Experienced in improving application performance. Well-versed in **refactoring and rewriting legacy system** to improve security, and maintainability
- Proficient in **deployments & build tools** and extensively involved in production deployments
- Developed different Web components such as **JSPs, Servlets, Filters, Custom Tag Handlers** and Business component such as EJB and Web Services.
- Excellent understanding of relational databases and involved in application development using **MySQL 5.6/5.7, Oracle 10g/11g/12c, SQL Developer**.
- Strong experience in deployment and configuration of application servers such as Apache Tomcat and WebLogic.
- Excellent knowledge on Spring Core such as **Dependency Injection, Annotations and XML based Configurations**.
- Good Knowledge of Amazon Web Service (**AWS**) **EC2** and **Continuous Integration** with **Jenkins**.
- Extensively worked on **JIRA, Java Script, HTML, jQuery, Ajax, CSS**, responsive web designs, WebLogic, unit test.
- Performed code reviews, discussed and shared comments, OOD principles, solutions to remove redundant, anti-patterns, tightly coupled, and dependency codes.

Technical Skills:

Languages	C, C++, Java, JavaScript, HTML/HTML5, SQL, PL/SQL
Security	Spring Security, LDAP, SSL
Frameworks	Spring MVC, Spring Boot, Hibernate, Struts, JSF
Databases	RDMS (MySQL and Oracle), Postgre SQL, Mongo DB
Cloud Technologies	AWS, Microsoft Azure
SDLC Methodologies	Agile, Waterfall
Build Tools	Maven 2.x,3.x and Ant, Gradle
Code Review Tools	Crucible, Jupiter 3.2
Testing Framework	JUNIT, PostMan, JMockIT, SoapUI-5.2.1, Log4j
Continuous Integration	Sonar Qube, Bamboo
IDE Tools	Eclipse, Toad, SQL Developer
Web Servers	Web Sphere, Web logic, Tomcat
Operating Systems	Windows XP/7/8, UNIX and Linux
Version Control Systems	GIT, SVN, CSS
Web Services	WSDL, UDDI, XML, XSL, JAXB, JAX-RS, JAX-WS, Json
Web Technologies	HTML, JSTL, JavaScript, XML, CSS, Struts 1.x,2.x, SOAP, Ajax, jQuery, Angular.
Web/Application Servers	Tomcat, WebLogic (11g/10.3/9.2/8.1/7.0), IBM WebSphere (7.x/6.x/5.x/4.x)
Design Patterns	MVC Architecture, Front Controller, Singleton, DAO patterns.

PROFESSIONAL EXPERIENCE

Enterprise Fleet Management, St-Louis MO/SFO CA

July 2018-Present

Role: Lead J2EE/Application Developer (April-2019 to Present)

Project:

EDGE-Enterprise Drive for Growth Excellence: An application that lets us quickly view, create, and update information critical to the fleet management business.

VAULT: Vehicle Administration Utility for License and Title- VAULT is the web-based software program which allows users to submit and track requests for license and title activity

Other Projects: CVP (Customer Vehicle Preferences), Billing Services, People Soft, Car Sales, VIN-Validator.

Responsibilities:

- Involved in requirement gathering, design, analysis, implementation and system setup.
- Involved in the implementation of business logic in **Struts** Framework and **Hibernate**.
- Implemented **microservices** using Spring boot, enabled discovery using **Netflix eureka** server.
- Used **Spring Boot** for building application and build configuration in **gradle** with CI and CD.
- Extensively worked on **spring batch** framework, used java 8 Streams, **Lambdas** and filters to process data.
- Recommended and develop strategy for integrating **internal security** model into new projects with **Spring Security** and **Spring Boot**.
- Worked closely with **Product owner, BA**, to resolve any functional or technical issues.
- Worked on migration of AS400 main frame to **spring MVC** and batch process.
- Implemented MVC architecture using **Struts Framework**, **Action Classes/Tag Libraries**, JSP.
- Developed Web pages using **Spring**, **JSP**, **JavaScript**, jQuery, Ajax and HTML.
- Created **RESTful web services** interface to Java-based runtime engine and account.
- Extensively involved in performing **code reviews** using fisheye crucible.
- Developed **test cases** and performed unit testing using **Junit**, **Mockito**.
- Performed **Unit Testing**, **Integration testing**, **System Testing** and actively worked on resolving issues in UAT and production.
- Experience in customizing and **deploying** the applications.
- Used **WebLogic**, **tomcat** for the application deployment.
- Used **GIT** for version control tool and **Spring Tool Suite (STS)** for IDE.
- Configured and customized logs using **Log4J**.
- Fixed & Tracked defects using **JIRA** effectively.
- Worked on TWS Framework to automate the batch job jar files and to track the batch process.

Technical Environment: Java 1.8, JavaScript, JSP, XML, Eclipse, REST Web services, SQL, Oracle 11g, Windows, GIT, log4j, Spring Boot, Spring, Hibernate, Tomcat, WebLogic 12, spring batch, MVC, gradle, Sonar Cube, Winzip.

Alaska - Department of Corrections (DOC), Jefferson City MO (Sep 2016 /June 2018)

Role: Sr. Software Engineer

Project: (ACOMS-SB91)- (PRETRIAL SERVICES)

The Department of Corrections (DOC) provides an evidence-based rehabilitative program that enhances the security of institutions; safeguards the public and reduces recidivism by providing offenders with needed tools to assist them in becoming law-abiding citizens.

Major responsibilities include:

- Participate in business meetings with Client and coordinate with Business Analysts to understand the business needs and implement the same into a functional design.
- Preparation of technical specifications as per the functional specifications and the business needs.
- Involve in the analysis, design, development and maintenance of the features that are being added to the application.
- Writing source code, preparing test data, tests and debugs programs, revising and refining programs as directed.
- Fixes problems in code during the development, maintain phases, updates corresponding documents and gets approval from the client.
- Developed UI using HTML 5, CSS, JavaScript, JSP for interactive cross browser functionality
- Used JDBC and Stored Procedures to for the DAO Classes to perform the crud operations by the using POJO's and interfaces.
- Struts Tag libs are created with the configuration metadata supplied by the container.
- Java Scripts used for the frontend validations and Struts used for the back end.
- SVN is used for the version control and Jenkins tool for the deployment with continuous integration.
- Performed Unit testing of applications before deploying in various environments after wiring with model.
- Involved in build and deployment of multiple modules of application using Maven and Jenkins on Tomcat server.
- Log4j properties are used for the console logs and exceptions throughout the project.
- Worked with Team Forge issue tracker for the raised issued and performance testing, defects raising
- Developed the application using with Java technologies like JSP, Servlets, Hibernate, Java Beans, XML, and JAXB.
- Developed data access layer using Data Access Object (DAO), Session Facade, and Business delegate and Singleton design patterns.
- Used JSON for storing and exchanging information between browsers and servers.
- Entire application is developed into Custom Modules and integrated accordingly.
- Worked on Struts customs tags such as HTML, Logic, and Bean Tags depending upon the requirement. Struts Validation framework is used for validating the data captured in UI forms.

Technical Environment: Java/J2EE, Struts, JDBC, RESTFUL Web Services (JAX-RS), JavaScript, HTML5, XML, Maven, CSS, Angular JS, SVN, JIRA, Oracle, Tomcat V8.0, JSON, JMS, SVN, POJOS, Agile, JUNIT, Log4j.

FIS Global Services (SunGard Data Systems), Kansas City, MO (Nov 2015 / Aug 2016)

Role: Sr. Software Engineer

Project: Data Connect uses the core data structures to house data that passes through the system. The data within the structure is tagged with a status the records move through the system based on the schedules defined by the user. Data which is imported through the application will result in the result of records processed or not. Based on the records user can able to know the status of each data input file and exports the data in the required format.

Major responsibilities included:

- Working with an **Agile, Scrum** methodology to ensure delivery of high-quality work within monthly iteration.
- Based on the functional requirements went through the SDLC cycle Design, Development, Testing, Prod.
- Developed UI using **HTML 5, CSS, JavaScript, AngularJS, Bootstrap** for interactive cross browser functionality.
- Making rest service calls from **Angular JS** service module \$HTTP and \$resource service to handle response in **JSON** format.
- Implemented different **Angular** based views and used **Routers** to implement logic to display different views.
- Created a new **REST Service** to request and generated response **JSON** for the data to populate also used the existing rest service for the new screen to develop to populate the existing data.
- **Angular.js** MVC Architecture is used to split the UI logic into Views, Models and Controllers.
- **Spring batch** is used import the input data transforms and generate an output file in the required positions format by using the **jobs, procs**.
- Used JDBC and hibernate to for the DAO Classes to perform the crud operations by the using pojos and interfaces. **Spring Beans** are created with the configuration metadata supplied by the container.
- **Apache Camel** helps for the scheduled records with the types and the transformation.
- Worked on the various design patterns like **singleton, MVC, Prototype**.
- **Java Scripts** used for the front-end validations and springs used for the back end.
- Involved in build and deployment of multiple modules of application using **Maven** and **Jenkins** on **Web logic server**.
- **Log4j** properties are used for the console logs and exceptions throughout the project.
- Worked with **Jira** issue tracker for the raised issued and performance testing, defects raising.

Technical Environment: Java/J2EE, Spring, Hibernate, RESTFUL Web Services (JAX-RS), JavaScript, HTML5, XML, Maven, CSS, Angular JS, SVN, JIRA, Oracle, WebLogic, JSON, JMS, SVN, POJOS, Agile, JUNIT, Log4j, **Apache Camel**, Pentaho Kettle, Spring Batch.

Smart Data Leads, St. Louis, MO (July 2014 / Oct 2015)

Major responsibilities included:

- Implemented the project with AGILE-SCRUM methodology for development phase of the application
- Developed the application using with Java technologies like JSP, Servlets, AJAX, Hibernate, Java Beans, XML, and JAXB
- Developed data access layer using Data Access Object (DAO), Session Façade, and Business Delegate and Singleton design patterns
- Developed the entire application into Custom Modules and integrated accordingly
- Used Struts custom tags such as HTML, Logic, and Bean Tags depending upon the requirement
- Struts validation framework is used for validating the data captured in UI forms
- Used ANT scripts to create JAR, EAR, War files and deployed the application on Tomcat server
- Developed/deployed REST based Web Services for the usage of various clients
- Developed JUNIT test cases to validate the type of data in the XML files
- Performed SQL tuning using SQL trace, explain plan for optimizing query performance
- Developed test cases and performed unit and integration testing when needed
- Collaborated with users, database administrators, and team members involved in the project implementation

Technical Environment: J2EE, Hibernate, IBM RAD, Spring Framework, java script, JQuery, HTML, WebSphere Application Server, Tomcat, GIT, Oracle 10g, XML, REST Web Services, Apache ANT, LOG4J, JUNIT, JAXB.

Polaris Software Ltd., India (Jan 2011 / Dec 2013)

Major responsibilities included:

- Created better graphical user interface (GUI) using JSP, Custom Tags, HTML and CSS
- Made use of Java script for client-side validation
- Used Struts Framework for implementing the MVC Architecture
- Wrote various Struts action classes to implement the business logic
- Designed the project using UML use case diagrams, sequence diagrams, object diagrams, and class diagrams
- Gained understanding of concepts related to and written code for advanced topics such as Java IO, serialization, and multithreading
- Used DISPLAY TAGS in the presentation layer for better look and feel of the web pages
- Developed packages to validate data from Flat Files and insert into various tables in Oracle Database
- Developed PL/SQL procedures, functions, triggers and packages to provide backend security and data consistency
- Performed code review and debugging

Technical Environment: Java, J2EE, UML, Struts, HTML, CSS, Java Script, Oracle 9i, SQL*Plus, PL/SQL, MS Access, UNIX Shell Scripting

EDUCATION

- **University of New Haven:** Master of Science in Computer Science
- **Nagarjuna University:** Bachelor of Technology in Computer Science