

Pranitha Madduri

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Self-driven, competent, motivated software engineer with **around 8 years** of experience working in a professional environment with **Java** and **J2EE** technologies and experience working in an **academic research** environment.

- Experience in various phases of Software Development Life Cycle (**SDLC**) like **requirement analysis, designing** and **building** applications.
- Proficient in designing and building java applications using **Java, J2EE, Spring MVC, spring boot, JDBC, XML, Web services**.
- Proficiency in **Java** and **J2EE technologies, Hibernate**.
- Developed applications using **Multithreading, Serialization, Externalization, Collections and Generics**.
- Expertise in Web development technologies like **Angular 8**.
- Good experience in working with **SOAP** and **REST** API web services for delivery of software product across the enterprise.
- Development and deployment of enterprise applications using **Apache Tomcat, Jboss** servers.
- Experience in working with **RDMS** systems like **Oracle** and **MySQL** and **non-relational** database like **MongoDB**.
- Proficiency in using the CI/CD tools like Maven, Jenkins, ANT and GIT for the development and deployment.
- Experience with using different **IDEs** like **Eclipse, IntelliJ**.
- Good experience in **unit testing** with frameworks like **Junit, Mockito** and **powermockito**.
- Good experience in managing and automating cloud platforms using **Openstack** and **ansible**.
- Experience in the Agile (**SCRUM**) Development Process.
- End to end development support of the application till the final rollout of the application.

Skill Set:

Languages & Frameworks	Java, J2EE, Python scripting, Spring MVC, Hibernate, Spring Boot
Technologies	HTML5, CSS3, XML, JavaScript, Core Java, REST, SOAP, JUnit, Mockito, Powermockito, Amazon AWS (S3, SQS, Lambdas)
Application Servers	JBoss, Apache Tomcat
IDE's	Eclipse IDE, IntelliJ, Talend Open Studio.
Databases	Oracle 11g, MySQL, MongoDB, Postgresql
Web Services	SOAP, RESTful, JAX-WS
Build & Management Tools	Apache ANT, Maven, Jenkins, Jira, Confluence, Bamboo, GIT
Environment	Window, Linux (Ubuntu, Centos)

Work Experience:

CVS Health - Alpharetta, GA

April 2023 - present

Role: Java Developer

- Involved in various phases of Software Development Life Cycle (**SDLC**) of the application like Requirement gathering, Design, Analysis and Code development.
- Designed and developed a Restful APIs for different modules in the project as per the requirement.
- Skilled in Test Driven Development (TDD) and Agile Development.
- Implementing a **CI/CD** pipeline in a multi-cloud environment.

- Worked with Jenkins under the **CI/CD** pipeline providing continuous improvement to Agile software development teams.
- Working with **Microsoft** team to **migrate** various business applications from **on-prem** to **Azure** cloud.
- All the functionality is implemented using **Spring Boot** and **Hibernate ORM**. Implemented Java EE components using **Spring MVC**, **Spring IOC**, **Spring transactions** and **Spring security** modules.
- Implemented test driven development (TDD), executed unit test plans.
- Integrated Build tools like **NPM** with **JENKINS**.
- Involved in automating various processes in production **Shell scripting** and **Cron** job scheduler.
- Setup the **CI/CD** process for the application using **Jenkins** and deployed it on **WebSphere** app server.
- Implemented the application using **Spring Boot** Framework and handled the security using **Spring Security**.
- Followed Agile test driven (TDD) methodology using JUnit framework.
- Involved in scripting for automation, and monitoring using Shell and Python scripts.
- Developed applications using latest technologies like spring, hibernate (using annotations), and REST based Webservices, **XML API** and tools.
- Used spring framework for integrating the **MVC** components with business services.
- Implemented Data Access Layer (DAL) using Spring Data and **Hibernate** ORM tool.
- Strong experience of developing data models using Hibernate POJO's, configuring Hibernate persistence layer.
- Configured and deployed the application using **Tomcat** and **Web Sphere**.
- Built Java applications using **Maven** and deployed JAVA/J2EE applications through Application servers.
- Worked with Release Management team closely for production releases and production maintenance.

Environment: Java 8, Spring MVC, Spring boot, REST, microservices, Junit, Postman, GitHub, APIC, SOAP, Oracle, Rally, confluence, Service Now, Splunk, AppDynamics, Blue Triangle Shell scripting.

Education Testing Services (ETS) - Princeton, New Jersey

Jan 2020-Mar 2023

Role: Full Stack Developer

- Participated in discussions with the **end-users** from different programs to **gather** the new requirements and enhancements.
- Performed application modeling using UML class diagram and sequence diagrams.
- Develop appropriate software solutions to requests for **new services** and **functionality**.
- Develop detailed **specifications, application coding, unit** and **systems** testing for the IT department.
- **Work** with units throughout **ETS** to ensure smooth delivery of existing services and program modifications.
- Support the planning and training of **internal clients** when new applications are launched, or new processes are put in place.
- Examine, devise, and modify procedures to solve moderately complex problems regarding existing system capabilities, operating time, or the form of desired results.
- Involved in various phases of Software Development Life Cycle (SDLC) of the application like Requirement gathering, Design, Analysis and Code development.
- Develop **MVC** driven **JavaScript web** applications with **HTML5, jQuery, CSS3**, knowledge of **SASS/LESS**.
- Develop new functionality using **core Java, spring (Core, MVC, Security, Transaction Management, Batch, DAO templates etc.)** and **JPA**.
- Work with **XML, XSLT** and **XPATH** to perform transformation form and to use **QTI** standards.
- Designed and developed REST based **Microservices** using the **Spring Boot**.
- Developing test cases using the **JUnit** and **Mockito** Frameworks.
- Design and development and maintenance of **SOAP** and **RESTful** endpoints for controller classes and tested using **SoapUI** and **Postman** rest client.

- Used **AWS S3** for storing and retrieving media files like audio, video, graphics.
- Used **AWS SNS** for pushing notifications to downstream systems .
- Used **AWS Lambda** to automate the java utility for moving data between **S3** buckets.
- Employ Knowledge of cloud-based architecture for data imports and exports.
- Involved in designing **SQL** Stored Procedure and write/tune advanced database SQL queries.
- Worked in writing the DML statements(select, update) for Postgresql database.
- Worked in the **Production support team** as part of the rotation policy.
- Triaged the service now tickets on priority basis and applied data fixes when needed.
- **Monitored production logs** and **health** of different application servers and **resolved** the issues in a timely manner.
- Use **Maven** for creating the project archetype, build the interface modules for creating jar files and updated **POM** files to include new dependencies.
- Used **shell scripting** to create input for the in-house java-based data comparison tool.
- Use **SVN** and **Git** for version control and **Jira** and **ServiceNow** for the project tracking.

Environment: Java 8, Spring MVC, Spring boot, REST, microservices, Junit, Postman, SVN, SOAP, Oracle, AWS SQS, AWS S3, AWS SNS,AWS Lambda, , Postgresql, PgAdmin, GIT, JIRA, confluence, Service Now, Splunk, Dynatrace, Shell scripting.

Fitch Ratings / RSC Solutions - Chicago IL/Allentown PA

April 2018 - Dec 2019

Role: Java Developer

- Collaborate with Product Development and Internal IT Departments and Client Support teams to deliver high quality products.
- Work with the Global Website Development team and coordinate with Business Analysts to deliver production releases.
- **Developing, testing,** and deploying **Microservices** built on **Spring Boot-Java 8**.
- Writing test cases using frameworks such as **Junit, Mockito,** and **PowerMockito**.
- Employ various **AWS** services such as **SQS** and **S3** for data imports and exports.
- Developed Java API to interact with AWS SQS to send out bulk emails.
- Implemented **Katharsis** framework for **JSON-API** standards and **Mongo Morphia** for data mapping and conversion.
- Involved in designing **SQL** Stored Procedure and **Mongo** aggregation queries.
- Involved in working with **Agile** methodology implementations like **Daily scrum meetings, sprint planning, resource planning, etc.**
- Involved in design and development of **RESTful** endpoints for controller classes and tested using **Postman** rest client.
- Use **Maven** for creating the project archetype, build the interface modules for creating jar files and updated POM files to include new dependencies.
- Worked as a part of L3 support on every sprint to resolve the Jira bugs on applications.
- Created an application monitor and report the health stats and info of the microservices and ETLs.
- Created python scripts to trigger cron jobs for the monitoring utility and microservices.
- Use **Git** for version control of the application and **JIRA** for issue tracking of application.
- Use **BitBucket** as source repository and **Bamboo** for deployment.

Environment: Java 8, Spring MVC, Spring boot, REST, JUnit, Mockito, PowerMockito, JSON-API, Morphia, Oracle, MongoDB, AWS SQS, AWS S3, AWS kinesis streams, Bamboo, GIT, Bitbucket, Jira, confluence, python scripting.

IT Division Inc. DBA Apeiro Technologies - Atlanta, GA

May 2017 - March 2018

Role: Software Engineer

- Designed and developed highly customized Front End screens using **JavaScript, JSP, HTML** and **CSS**.

- Designed a web-based client/server application consisting of the web browser, Servlets and **RDBMS**.
- Implemented service layer **RESTful** Web services to support front end **AJAX** calls in **JavaScript** and transfer of data across different applications.
- Used **JDBC** for database connectivity and involved in writing **SQL queries, Stored Procedure** for back end.

Environment: Java, Spring MVC, Spring boot, REST, JSP, HTML, CSS, SQL, GIT, JUnit.

University of Texas at San Antonio - San Antonio, TX

Nov 2014 to May 2016

Graduate Research Assistant

- Worked on setting up the test bed for experiments using **Unix scripts** and used **Ansible** for configuring, managing and deployment.
- Conducted **performance testing** for different VM configurations in different cloud settings using **HPCC benchmark suite** and analyzed the results and documented them.
- Published a research paper based on findings for our experiment.
- Worked on **OSCAR** (Openstack Configuration for Academic Research). Have good understanding of cloud computing architecture and all Openstack services.
- Gained experience in setup and deployment of **multi-node** OpenStack clusters on host-based servers.

Environment: Unix, Ansible, HPCC, Openstack, python.

Academic Projects:

Calendar Application: Developed a calendar application like that of a google calendar application. It shows day, week, monthly and agenda views. It also includes the feature of setting up a remainder for different upcoming events.

My bookstore: Developed a client/server application for an online bookstore application. The users of the applications can search for a book, can view all the available books and purchase books.

Compiler: As a part of course work, developed a compiler for TL language as per for specifications provided by TL15.0 specifications.

Course Work:

Computer Architecture, Operating Systems, Analysis of Algorithms, Programming Languages & Compiler Design, Software Engineering, Software Testing & Quality, Principles of Information Security, Secure Systems & Software, Parallel Processing, Cloud & Big data, Virtual and Cloud Computing Security.

Education:

JNTU-Hyderabad

2014

Bachelors in information technology

The University of Texas at San Antonio

Dec 2016

Masters in computer science – San Antonio, Texas

May