**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:**

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| --- | --- |
| 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** May 2014

Bachelors in information technology

**The University of Texas at San Antonio** Dec 2016

Masters in computer science – San Antonio, Texas