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Summary

Technically skilled Software Developer with a strong foundation in Java/J2EE, Spring Boot, Microservices, and Angular. Proficient in AWS, Unix, and web services. Experienced in delivering end-to-end solutions with a focus on creating seamless user experiences. Adept at collaborating within Agile environments and driving technical excellence.

Education



George Mason University, Fairfax, VA

Master of Science in Computer Science

GPA-3.7/4.0

Aug 2021 – May 2023



GL Bajaj Institute of Technology and Management, Noida, India

Bachelor of Technology in Computer Science

GPA-6.4/10.0

Aug 2014 – June 2018

Skills

Language: Java, SQL, python

Front End: HTML, CSS, Bootstrap, Angular JS/Angular 9, jQuery, Ajax, JSP, JavaScript, TypeScript.

Software/Cloud: Docker, Kubernetes, Containerization, EC2, Lambda, CloudWatch, Jenkins, Git, Eclipse, Maven, MySQL, NoSQL, Apache Kafka, JIRA.

Technical Skills: Spring, Spring MVC, Spring Boot, Spring Hibernate, Spring Cloud, Restful API, JPA, JMS, OOPs, CI/CD, JSON, JDBC, SDLC, JUnit, Selenium, Mockito.

Academic Projects

- **TODO Web Application**
 - Developed a dynamic and user-friendly **Spring-based** web application. It has user registration, login, and operational modules.
 - It performs all **CRUD** operations and has a database connectivity using **MySQL**.
- **Cache Implementation**
 - Developed a web application implementing JPA and auto caching mechanism using HazelCast in Spring Boot framework.
 - Configured H2 database which is a dynamic database created at runtime for testing purposes.
- **Student Survey Api**
 - Deployed a containerized spring boot web application using the Kubernetes engine.
 - Configured a CI/CD pipeline on Jenkins with GitHub webhooks to automate build and push operations.
- **Student Survey Form**
 - Developed a Student Survey form using JavaScript functionality, demonstrating how to use cookies, JavaScript functions, event handling, jQuery, and AJAX implementation.

Experience



Java Full Stack Developer

Birlasoft

Dec 2019 - Aug 2021 (1 year 9 months)

- Designed and implemented back-end functionalities using **spring-boot** and **hibernate**. Implemented **Microservices** architecture using **Spring Cloud** like Netflix **Eureka**, **Zuul** API gateway, and **Hystrix**.
- Developed interactive web applications view layers using templating engines such as **Thymeleaf**, **JSP**, **HTML**, **CSS**, and **Bootstrap** ensuring a seamless user experience and intuitive interface. Implemented data-driven solutions by leveraging **SQL** and RDBMS like **MySQL** to store, retrieve, and manipulate large datasets efficiently.
- Collaborated with a team to build and maintain web applications, employing **Git** for version control and ensuring smooth code integration.
- Designed and developed **RESTful APIs** to communicate seamlessly between front and back-end applications. Integrated **Angular JS**, **jQuery**, and **AJAX** libraries into front-end development, enhancing user interactivity and overall functionality by 20%.
- Experience using message brokers such as **Apache Kafka**, and JMS like **ActiveMQ** in enterprise applications to transmit, process, and consume messages with simplicity and reliability.
- Implemented **CI/CD** process for automated delivery and deployment to AWS and wrote deployment scripts using **Maven** for building jobs in **Jenkins** and **GitHub** for source control.

KPIT

Software Developer

KPIT

Oct 2018 - Dec 2019 (1 year 3 months)

- Comprehensive understanding of Software migration/testing, including creating test scenarios, **Unit Testing**, and writing test cases and reports.
- Developed a Hybrid framework using **Java** and **Selenium** for performing **regression** testing. Expertise in using Oracle, SQL Server, MySQL databases, and writing **SQL** and **PL/SQL** queries.
- Scripted 1000+ test cases for 10+ modules like PDH, SCM, and HCM, to ensure the smooth cloud-based application's functionality. Build **Automated Test Scripts** for cloud applications in 10+ modules to reduce tedious tasks.
- Led a project to integrate product data from various sources (e-commerce platforms, ERP systems, suppliers) into a centralized **Product Data Hub**.
- Reported 100+ regression defects after analyzing the test execution report. Well-acquainted with **SDLC** and exposure to all phases of **STLC**.
- Prepared test deliverables and used **JIRA** as defect tracking and defect **logs** comprehensively in line with customer requirements using **Log4j**. Employed practical problem-solving skills to identify and resolve complex technical issues.

Honors & Awards



Graduate Teaching Assistant - George Mason University

Worked as a **Graduate Teaching Assistant** for two consecutive semesters to assist these courses **SWE-419**(OO Software Design and Implementations), **SWE-619**(OO Software Specification and Construction), and **SWE-205**(Software Usability Analysis and Design)