SAURAV MAJUMDAR

Arlington, Massachusetts

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SOFTWARE ENGINEER (JAVA)

SUMMARY

- Over 7 years of professional experience in software development, including 3 years in Spring Boot.
- Implemented Object-Oriented Programming (OOP) concepts based on client and project requirements.
- Proficient in Agile and Waterfall methodologies, Design Patterns, and Web Services.
- Worked with in-house teams and external vendors to understand and deliver application changes on time.
- GitHub: https://github.com/smajumdar13

Career Note: Currently on H-1B Visa Status.

CORE COMPETENCIES & TECHNICAL SKILLS

Languages: Java
Web: HTML5, CSS3, JavaScript, JPA, Servlets, jQuery, AJAX, XML, Angular, TypeScript, Bootstrap
Web Services: RESTful Web Services, SOAP AWS
Web/App Servers: Apache Tomcat, XAMPP
Frameworks: Spring (Core, Boot), Hibernate, Express
SDLC: Waterfall, Agile, Iterative Development Methodologies
Databases: MySQL, MS SQL Server, PostgreSQL, MongoDB
Tools: NetBeans, Eclipse, IntelliJ, VS Code, Git

PROFESSIONAL EXPERIENCE

Software Engineer, Java: John Deere/Beacon Hill Staffing Group (Remote, Dec 2021 – May 2024)
Worked on Products Team and Equipment 2.0 Team as a Software Engineer at John Deere (ISG Digital Engineering. Developed reference plugins, components, and microservices, and troubleshooted client issues and errors. Designed and developed structured queries, security enhancements, and Swagger and Confluence documentation. Utilized Git, Docker, Maven, and Slf4J for versioning, containerization, build automation and logging. Deployment through all phases of the CI/CD pipeline.

Responsibilities and achievements:
Equipment 2.0 Team (Dec 2023 – May 2024):
- Initiated work on latest John Deere project integrating with Starlink Satellite systems (SpaceX); deployed Authentication and REST API endpoints using Spring Boot and Maven.
- Introduced MapStruct and Instancio libraries to automate mappers and object instances generation, resolved test bleeding and reduced boilerplate code.
- Reduced integration testing time by 60%.
- Sped up deployment time by 30%
- Hands-on with AWS IAM, RDS, Secrets Manager, SQS, SNS, and ECS.

Products Team (Dec 2021 – Dec 2023):
- Accomplished deployment of Products Microservice across all phases of CI/CD pipeline implementing TDD, and successful migration from Platform monolith 6 months before the anticipated timeframe.
- Developed and deployed reference product ingestion plugin to retrieve and normalize data from third party supplier (CDMS) into company database.
- Applied modules and POJOs using Collection, Streams, Multi-Threading and Object-Oriented Designs reducing
- Reduced integration testing duration from 8 minutes to 3 minutes and eliminated test bleeding.
- Software troubleshooting using Kibana, Datadog and SQS error logs.

- Updated Swagger and Confluence documentations.
- Paired with frontend team to integrate with the new REST APIs implemented in the backend.
- Demoed features and functionalities of Products application in quarterly JD-ISG Operations Center Demos.
- Collaborated with multiple teams including EDL Team, Databricks Team, Frontend Team, Work Planner, Field Analyzer, and third party (CDMS).

Technologies and Environment: Java 11, Java 17, Hibernate, Spring Boot, REST APIs, Git, JDBC, React, TypeScript, NodeJS, Intellij, Drone, Maven, Design Patterns, Cucumber, Fitnesse, Junit5, Slf4J, MySQL, AWS, Artifactory, Generics, Annotations, Docker, Rally, Datadog, Kibana, Grafana, Kafka, Liquibase, Guice, Checkstyle, EDL, Postman, Github Copilot.

Software Developer: Prime Computers (P) Ltd., Kathmandu, Nepal (Mar 2014 - Feb 2018)
Designed and developed software solutions based on client requirements, including the redesign of legacy console software using updated technologies and user interfaces. Employed Maven for build automation, adhered to industry standards, conducted unit and integration testing, and utilized Log4J for logging and tracing messages.

Responsibilities:
- Implemented modules using Core Java APIs, Collection, Streams, Multi-Threading and OOPS
- Migrated legacy application features into new application with added features using Spring Boot.
- Dependency Injection, annotations and Spring MVC to achieve loose coupling
- Developed responsive web pages using HTML5, CSS3, JavaScript and AngularJS
- Developed components and microservices with Spring Boot and Hibernate
- Provided training, support, and in-person software maintenance.

Technologies and Environment: Java 11, Spring MVC, Spring Boot, Hibernate, RESTful APIs, JDBC, Apache Tomcat, Maven, JUnit, Log4j, HTML5, CSS3, jQuery, MySQL.

Jr. Software Developer: Softech Creative Solutions, Kathmandu, Nepal (Jan 2013 – Mar 2014)
Created financial and hospitality software, including prototyping an application system and mapping the database model to persistence objects.

Responsibilities:
- Assisted in designing the front-end using HTML5, CSS3, JavaScript and AngularJS
- Used Spring ORM and DAO modules for database transaction management and developed the DAO layer using Spring, Hibernate and developed various business logics and reports using HQL
- Excellent problem solving, analytical, interpersonal, communication and organizational skills.

Technologies and Environment: Java, Core Java, Spring Framework, Spring MVC, Hibernate, RESTful APIs, JDBC, HTML, CSS, JavaScript, jQuery, MS SQL Server, Maven, JUnit, Log4j

EDUCATION

Master of Science in Computer Science (2021 - 2023)
Maharishi International University – Fairfield, Iowa

Key Courses: Fundamentals of Programming Practices; Modern Programming Practices; Algorithms; Web Application Programming; Enterprise Architecture; Modern Web Applications

Associate of Science in Biology, Minor in Computer Science (2018 - 2020)
San Antonio College – San Antonio, Texas

Software Developer Bootcamp (2012)
Prime Computers (P) Ltd – Kathmandu, Nepal

Bachelor of Science in Microbiology (2006 - 2009)
Tribhuvan University – Kathmandu, Nepal