Bala vamsi Maragani
Full-Stack Java Developer

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CAREER SUMMARY

Experienced Full-Stack Java Developer with over 3 years' expertise in Healthcare, Retail/e-commerce, and industrial domains. Proficient in Agile and Waterfall SDLC methodologies, with mastery in Java, Spring Boot, React.js, scalable microservices architecture and extensive backend/frontend development, database management, deployment, testing, and achieving business deliverables.

PROFESSIONAL EXPERIENCE

Epsilon (Virginia) | Java Developer   Aug 2023- Current
- Implemented scalable architecture utilizing MVC frameworks (Spring, Spring Boot, Spring MVC) and Core Java SE 17 for feature design, ensuring timely project delivery.
- Designed user interfaces using HTML5, CSS3, JavaScript (ES5 & ES6), and jQuery.
- Led agile methodologies (XP, Scrum) incorporating Test-Driven Development (TDD) and Service-Oriented Architecture (SOA), while overseeing databases (Oracle, MySQL v8).
- Engineered Apache Tomcat, Kafka, Flink, Zookeeper, and automated testing through Selenium, Junit5, Mockito, and Log4j.
- Streamlined builds with ANT, Maven, UNIX/LINUX Shell Scripting, collaborating via IDEs (IntelliJ IDEA 2023, Eclipse, Spring Tool Suite), and version control tools (SVN, GitHub).
- Implemented cloud solutions on Microsoft Azure, using Azure DevOps for CI/CD, AKS for container orchestration, Azure Functions 4 for serverless computing, Blob Storage, and Cosmos DB 4.0 for data management.

Graduate Research Assistant at **Dakota State University**   Jan 2023 – Aug 2023

Project 1 – Retail/e-Commerce Web Application:
- Developed an e-commerce website with WordPress, PHP 7, and MySQL using Azure DevOps.
- Established an Apache server on GoDaddy, achieving a 90% reduction in downtime incidents, while employing HTML5, UTF-8 encoding, CSS (external, embedded, inline), JavaScript, and jQuery 3.6.4 for enhanced functionality.

Project 2 - Flask powered Blog with user authentication:
- Developed a Flask-powered Blog application with user authentication using Python v3 in Visual Studio Code Leveraged SQLite v3 and REST APIs for efficient CRUD operations, optimizing data storage and retrieval.
- Integrated front-end web pages with HTML5, CSS3, and JavaScript (ES6) to provide a seamless user experience, rigorously ensuring robustness and reliability through unit testing with JUnit5 and Mockito.

Dell Technologies (India)   Oct 2020 – Dec 2022
- Employed J2EE technologies (Spring 5, Hibernate, Servlets, JSP, JDBC, JTA, JavaBeans) for backend development.
- Employed MVC frameworks (Spring 5, Spring Boot, Spring MVC) to maintain clean code architecture and enhance scalability.
- Demonstrated proficiency in Core Java SE 17 (Streams API, Functional Interfaces, Multithreading, and Exception Handling).
- Crafted responsive UI applications using HTML5, CSS3, JavaScript (ES6 & ES7), jQuery.
- Specialized in both relational and non-relational databases (MySQL and PostgreSQL v15, MongoDB).
- Collaborated in Agile (XP, Scrum), practiced TDD, adhered to SOA principles, implemented test automation (Selenium, Junit5, Mockito, Log4j), and managed build/deployment (ANT, Maven, UNIX/LINUX Shell).
- Utilized various IDEs (IntelliJ IDEA 2020, Eclipse, and Spring Tool Suite) and version control tools (SVN, GitHub).

Skills and Tools

Java SE17, Spring Boot, Spring Data JPA, Hibernate, React.js, Bootstrap 5, Flask, Python, HTML5, CSS3, JavaScript (ES6), jQuery, AJAX, Servlets, Ant, Git, Junit5, Mockito, MySQL, SQLite, IntelliJ IDEA, Eclipse, VS Code, Docker, Jenkins, Postman, Swagger, Selenium, TestNG, Kibana, Microsoft Azure, Azure DevOps, Excel, WordPress, SourceTree. Data Management and Analysis, Process Flows and Data Gap Analysis, Risk Analysis and Management, Brainstorming and User Stories Creation, Agile Project Management, Waterfall Project Management, Jira, Trello, Data Mapping.

EDUCATION

Dakota State University	Master of Science in Information Systems	4.00/4.00 CGPA	Jan 2023 – Dec 2023
JNTU Kakinada, India	Bachelor of Technology in Computer Science	3.34/4.00 CGPA	July 2016 – Sep 2020