

Bala vamsi Maragani

Full-Stack Java Developer

[Portfolio](#) | [GitHub](#) | [LinkedIn](#) | mbalavamsi26@gmail.com | +1 7579868668 | Newark, NJ (Open to relocate)

CAREER SUMMARY

I am a highly skilled Full-Stack Java Developer with more than 3 years of specialized knowledge in Healthcare, Finance, and Retail/e-commerce domains. I have expertise in Agile and Waterfall software development life cycle approaches. I am proficient in Java, Spring Boot, AngularJS, React.js, and designing scalable microservices architecture. I have experience in both backend and frontend programming, as well as database administration, deployment, testing, and successfully delivering business objectives. Excel in handling ambiguous problems and developing innovative solutions, with a comprehensive approach to deployment, testing, and achieving business deliverables.

PROFESSIONAL EXPERIENCE

Epsilon (Newark, NJ) | Health Care | Full-Stack Java Developer

Aug 2023 – Current

- Implemented scalable Microservices architecture utilizing MVC frameworks (Spring, Spring Boot, Spring MVC) and Core Java SE 17 for feature design understanding complex requirements, ensuring timely project delivery and significant results.
- Designed UI/UX using HTML5, CSS3, JavaScript (ES5 & ES6), jQuery, Bootstrap 5 and AngularJS for consistent styling and layout.
- Engineered Apache Tomcat, Apache Kafka, Flink, Zookeeper, and automated testing through Selenium, JUnit5, Mockito, and Log4j.
- 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.
- Led agile methodologies (XP, Scrum) incorporating Test-Driven Development (TDD) and Service-Oriented Architecture (SOA), while overseeing databases (Oracle, MySQL v8) ensuring thorough testing and debugging throughout the SDLC.

Graduate Research Assistant at Dakota State University

Jan 2023 – Aug 2023

Project 1 | Financial Operations | Full Stack Developer:

- Developed a MERN stack (MongoDB, Express.js, ReactJS, Node.js) web app with AWS CodePipeline and deployed it on AWS EC2 with 90% downtime reduction. Implemented monitoring using Amazon CloudWatch and AWS CloudTrail.
- Employed HTML5, UTF-8 encoding, CSS (external, embedded, inline), JavaScript, and TypeScript for enhanced functionality.
- Utilized Amazon S3, Amazon Document DB, AWS CloudFront for optimized content delivery performance.

Project 2 | Academic Web Development | Full Stack Developer:

- 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 with detailed specifications documentation.
- Integrated front-end web pages with HTML5, CSS3, XML, and JavaScript (ES6) to provide a seamless user experience in every department, rigorously ensuring robustness and reliability through unit testing with JUnit5 and Mockito.

Dell Technologies (Hyderabad, India) | Software Engineer

Oct 2020 – Dec 2022

- Employed Java technologies (Spring 5, Hibernate, Servlets, JSP, JDBC, JTA, JavaBeans) for backend development.
- Employed Spring 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 web applications using HTML5, CSS3, JavaScript (ES6 & ES7), jQuery.
- Specialized in both relational and non-relational databases (MySQL and PostgreSQL v15).
- 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 environment).
- Utilized various IDEs (IntelliJ IDEA 2020, Eclipse, and Spring Tool Suite) and version control tools (SVN, GitHub).

AREAS OF EXPERTISE

Java SE17, Flask, Python, Spring Boot, Spring Data JPA, Hibernate, Servlets, Ant, JUnit5, Mockito, AngularJS, React.js, Express.js, Node.js, HTML5, CSS3, Bootstrap 5, JavaScript (ES6), jQuery, AJAX, ActiveMQ, RabbitMQ, MySQL, SQLite, MongoDB, PostgreSQL, Git, SourceTree, Docker, Jenkins, Postman, Swagger, Selenium, TestNG, Kibana, Microsoft Azure, Azure DevOps, AWS, AWS EC2, Amazon CloudWatch, AWS CloudTrail, Document DB, IntelliJ IDEA, Eclipse, VS Code, Excel, WordPress, Data structures, Algorithms, System design, Data Management and Analysis, Process Flows and Data Gap Analysis, Risk Analysis and Management, Brainstorming and User Stories Creation, Good Communication Skill, Agile Project Management, Waterfall Project Management, Jira, Data Mapping.

HIGHER EDUCATION

Master of Science in Computer Information Systems
Bachelor of Technology in Computer Science Eng.

Dakota State University
JNTU Kakinada, India

4.00 CGPA
3.34 CGPA

Jan 2023 – Dec 2023
July 2016 – Sep 2020