

Mouli Edurugundla

Software Engineer

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PROFESSIONAL SUMMARY

With a proven track record spanning over 4+ years of experience as a Full Stack Developer, specializing in creating robust, efficient applications that can scale effectively. My technical skills includes frontend development using **HTML5, CSS3, ReactJS, JavaScript, and TypeScript**, while my backend capabilities include working with **Java, C#, C++, Spring Boot, Microservices, and Hibernate frameworks**. I possess comprehensive knowledge of cloud computing platforms including **AWS, Microsoft Azure, and GCP**, along with practical experience in deployment tools such as **Docker, Jenkins, and Maven** for smooth application releases. Furthermore, I maintain solid expertise in database management systems including **MySQL, Oracle, and MongoDB**, regularly providing effective solutions that align with organizational goals.

TECHNICAL SKILLS

Programming Languages: Java, C#, Python, C++, JavaScript, TypeScript, SQL

Web Technologies (Front-End and Back-End Development): HTML5, CSS3, Bootstrap, ReactJS, Spring Boot, Spring MVC, Spring JDBC, JPA, Spring Data JPA, Hibernate, Kafka, XML, REST API's, JDBC, JSON, Microservices, Kubernetes

Database: MySQL, Oracle, MongoDB, Microsoft SQL Server, H2, Firebase DB

Project Management and Collaboration Tools: Git, GitHub, Jenkins, Docker, Bitbucket, Junit, Mockito

Cloud Technologies: Microsoft Azure, AWS, GCP Build Tools and IDE's: Apache Maven, Gradle, IntelliJ IDEA, VS Code, Visual Studio, Android Studio, Eclipse

Visualization Tools: Tableau, Power BI

API Documentation Tools: Postman

Other Skills: Data Structures & Algorithms, Linux, Unix, Windows OS, CI/CD Pipelines, Design Patterns, Relational Database, UI/ UX Design, Figma, Object Oriented Programming, Software Development Life Cycle, Software Testing, Debugging, Agile Methodologies, MS Office

EDUCATION

Master of Science in Computer Science, **GPA: 3.97**

Kent State University

Coursework: Algorithms and Data Structures, Network Based Application Development, Mobile Application Development, Database Systems, Visual Analytics, Rapid Prototyping

WORK EXPERIENCE

Bank Of America

Full Stack Developer

Dallas, TX

Oct 2024 – Present

- Created, documented (Swagger) and built Microservices (Admin Service, Reports Service, Audit Service, Loan Processing Service) utilizing Java, Spring Boot, Spring, Hibernate, JSON, JWT and MongoDB.
- Built Single Page Application (SPA) employing HTML 5, CSS, Bootstrap and Angular 6.
- Containerized Microservices and Angular applications and established container orchestration through AWS Elastic Container Service (ECS)
- Set up the CI/CD pipeline for Microservices and Angular utilizing Git, Jenkins, Groovy, Docker, AWS ECR, AWS ECS.
- Created unit tests employing JUnit and Mockito and Integration tests utilizing Postman and Newman
- Established static code analysis and code coverage through SonarQube
- Utilized AWS SSM Parameter Store for maintaining environment-specific configuration properties and also for securing configuration parameters such as database passwords.
- Operated in Agile methodology with bi-weekly sprints and daily scrum sessions

Tech Stack: Java 1.8, Spring, Spring Boot, Spring Rest Client, Swagger, JUnit, Mockito, Maven, Nginx, Postman, MongoDB, Docker, Amazon ECS, Jenkins, HTML 5, CSS, Bootstrap, Angular 6, Agile, Git

Wipro

Software Engineer

Hyderabad, IND

Sep 2021- Dec 2023

- Developed RESTful APIs utilizing Java and Spring Boot, improving transaction processing efficiency and elevating the mobile banking user experience.
- Worked collaboratively on CI/CD pipelines through GitHub and Azure, reducing manual errors and accelerating account management feature releases by 25%.
- Created RESTful APIs to enable secure communication for loan application processes, improving system performance and user satisfaction.
- Coordinated cross-functional teams to refine project requirements for online payment systems, achieving 40% faster project completion and decreasing scope creep by 25%.
- Built a data management solution using Spring Data JPA, improving database response efficiency for transaction history and account statement retrieval.
- Strengthened software dependability through JUnit and Mockito implementation for automated testing, decreasing post-deployment issues by 30%.

Tech Stack: Java, Spring Boot, Spring Data JPA, JSF, RESTful APIs, Azure (CI/CD and deployment services), Azure Pipelines, GitHub, MySQL, JUnit, Mockito, Agile methodologies

PERSONAL PROJECTS

Blog Content Management System (CMS) Web Application

- Built a responsive blog platform with React.js that allows users to organize blog content by categories including lifestyle, technology, travel, and health for improved site navigation.
- Created search capabilities enabling users to locate specific blog content through keywords or tags, greatly improving user experience and making content more accessible.
- Crafted individual post views displaying essential details like post titles, publication dates, author information, and content previews to boost user engagement and improve readability.
- Achieved cross-device compatibility through Bootstrap and CSS media queries, delivering consistent viewing experiences on mobile phones, tablets, and desktop computers.

Environment: HTML, CSS, JavaScript, Bootstrap, React.js, React Router, Visual Studio, Fetch API

E-commerce Shopping Platform

- Built a comprehensive full-stack e-commerce platform utilizing Spring Boot, Java, and MySQL to manage product catalogs, customer accounts, and order processing.
- Created essential functionalities including product search capabilities, shopping cart features, order submission processes, and customer profiles for monitoring purchase records.
- Incorporated RESTful API services to facilitate seamless communication between front-end and back-end components, guaranteeing effective data access and system operations.
- Protected the platform through Spring Security implementation to control user verification and permission-based access management for both clients and system administrators.
- Conducted thorough testing of API endpoints via Postman to verify data accuracy and ensure seamless functionality throughout all aspects of the e-commerce system.

Environment: Java, Spring Boot, Spring Data JPA, MySQL, IntelliJ IDEA, Postman, RESTful APIs, Spring Security

Online Auction Platform

- Built a web-based auction platform utilizing Node.js, Express, and MongoDB that allows users to create auction listings and submit bids on different items.
- Followed MVC (Model View Controller) design pattern to ensure organized code structure and ease of maintenance.
- Implemented user login functionality and session handling through express-session, while creating custom middleware components for protected access management.
- Facilitated live bidding capabilities and auction alerts using connect-flash to deliver immediate notifications about bid activities and item updates to users.
- Created mobile-friendly interface components with HTML, CSS, and JavaScript, enabling users to explore auctions, examine product information, and submit bids across multiple device types.

Environment: HTML, CSS, JavaScript, Node.js, MongoDB, Express, Mongoose, Web Server, MVC Architecture, Visual Studio