

# Mouli Edurugundla

Software Engineer

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## PROFESSIONAL SUMMARY

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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

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**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

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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

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**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

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### 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