Mohnish Raval

 GitHub   in LinkedIn   @ mohnishraval40@gmail.com   📞 5712792215   📍 Atlanta, GA   % portfolio

EDUCATION

Master of Science in Computer Science	Aug 2022 - May 2024
George Mason University (GMU)	
Bachelor of Technology in Information Technology	July 2016 - May 2020
SRM Institute of Science and Technology (SRMIST)	

SKILLS

Languages	Java,Python,JavaScript,TypeScript,SQL,Bash
Frontend	Angular,React.js,HTML,CSS,Redux
Backend	Spring Boot,Node.js,RESTful APIs,Microservices
DevOps	AWS,Terraform,Jenkins,Docker,Github CI/CD,Kubernetes
Databases	MySQL,PostgreSQL,DynamoDB,MongoDB
Tools	Git,Jira,Postman,MuleSoft(basic),Cypress,Jest,JaCoCo

WORK EXPERIENCE

Software Development Engineer   June 2025 - Present
KGS Technology Group Inc

- Engineered and optimized RESTful APIs using Node.js and Express.js, reducing API response time by 30% and increasing concurrent request handling by 40%.
- Established dynamic and reusable React.js components with TypeScript and Redux, improving user engagement by 25% and reducing UI defect rate by 15%.
- Adopted Responsive UI design with JavaScript (ES6+), HTML5, and CSS3, ensuring cross-browser compatibility and accessibility compliance.
- Deployed and managed cloud-native JavaScript applications on AWS EC2, S3, and RDS using Docker and CI/CD pipelines in Jenkins, achieving 99.99% uptime.

Software Engineer   July 2024 - May 2025
FIS

- Designed and maintained high-performance backend services in Node.js and Express.js for ACH payment workflows, improving transaction throughput and reducing latency by 18%.
- Utilized JavaScript asynchronous programming and multithreading to scale financial transaction systems for 2× more concurrent users without degradation.
- Implemented automated unit tests in Jest and Mocha, achieving 85%+ coverage, with continuous integration through Jenkins CI/CD.
- Built containerized services with Docker and orchestrated deployments on AWS Lambda and EC2, reducing release cycles by 35%.
- Applied API security best practices including OAuth2 and JWT authentication to safeguard sensitive endpoints.

Full Stack Engineering Analyst   Jan 2021 - July 2022
Accenture

- Delivered enterprise-grade Angular and TypeScript UIs integrated with Node.js REST APIs, decreasing frontend load times by 20% and improving Lighthouse performance scores.
- Created Ngrx state management flows to streamline data handling across the app, improving maintainability and reducing bugs by 22%.
- Executed SQL and NoSQL queries for backend integration and automated tests, boosting validation accuracy by 25%.
- Worked in agile teams to deliver features faster, reducing development timelines by 15%.

Full Stack Engineer   Jan 2020 - Dec 2020
MeritPlus

- Developed modular React.js components and optimized Webpack/Babel configurations, improving build performance by 28% and page load times by 20%.
- Automated 100+ regression test cases with Cypress and Jest, reducing test execution time by 50%.
- Architected REST API endpoints in Node.js with Express.js to support real-time features, enhancing endpoint reliability by 18%.
- Containerized local and CI environments using Docker, improving consistency across development and staging deployments.

PROJECTS

SpringBoot App with CRUD,AWS RDS,Jenkins/Kubernetes Pipeline [link] Apr 2025 – May 2025
- Developed a full-stack application using Spring Boot, Angular, and JavaScript/TypeScript, backed by AWS RDS, improving query performance and reducing data retrieval time by 20%.
- Configured Kubernetes clusters and deployed Dockerized microservices via Rancher on AWS EC2, ensuring 99.9% uptime.
- Built and automated a CI/CD pipeline with Jenkins, reducing manual deployment effort by 35% and enabling zero-downtime releases.

CI/CD Pipeline with Angular Frontend and Spring Boot Backend [link] Feb 2025 – Mar 2025
- Designed a monorepo integrating frontend and backend, streamlining feature delivery in Agile sprints.
- Automated build, test, and deployment workflows using GitHub Actions, cutting deployment cycle time by 25% and reducing release failures by 15%.
- Deployed Dockerized applications on AWS EC2 with persistent storage via Amazon RDS MySQL, ensuring high availability and performance.
- Strengthened application security by implementing AWS IAM roles, policies, and API access restrictions aligned with best practices.

PROFESSIONAL CERTIFICATIONS

- **AWS Certified Cloud Practitioner** | Issued By AWS | July 2023