MUKHESH CHANDRA MEKALA

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SUMMARY

Versatile Full Stack Developer with 3+ years of experience building scalable, secure, and cloud-native financial applications using Java, Spring Boot, Node.js, React, and AWS. Proven expertise in designing microservices, deploying real-time dashboards, and automating high-volume transactional workflows. Adept at CI/CD implementation, infrastructure orchestration, and achieving compliance with SOX, PCI-DSS, and OAuth 2.0. Passionate about delivering robust solutions that enhance business performance and user experience.

TECHNICAL SKILLS

Languages & Frameworks: Java, JavaScript, TypeScript, Node.js, Spring Boot, Express.js, HTML5, CSS3
Frontend: React.js, Angular, Redux, Tailwind CSS, Chart.js, Bootstrap
Backend & APIs: RESTful APIs, WebSockets, GraphQL, OpenAPI/Swagger
Cloud Platforms: AWS (EC2, S3, RDS, CloudWatch), Azure, IAM, Auto Scaling
Security: OAuth 2.0, JWT, RBAC, SSL/TLS, SOX, PCI-DSS
CI/CD & DevOps: Jenkins, GitHub Actions, Docker, Kubernetes, Git, Nginx
Testing & QA: JUnit, Mockito, Jest, Postman, Cypress, SonarQube
Databases & Messaging: PostgreSQL, MySQL, Kafka, RabbitMQ, Redis
Monitoring & Logging: Prometheus, Grafana, CloudWatch
Tools & Methodologies: Jira, Confluence, Agile/Scrum

Experience

Full Stack Developer
JPMorgan Chase, Remote, USA | Aug 2024 - Present

- Developed dynamic financial dashboards using React.js, TypeScript, Tailwind CSS, and Chart.js, enabling treasury teams to visualize and monitor $50M+ in global cash flow and 100K+ transactions per day.
- Built scalable backend services with Node.js, Express.js, and Spring Boot, integrating RESTful APIs for foreign exchange rates, multi-currency payments, and automated transaction reconciliation.
- Implemented secure authentication and authorization using OAuth2, JWT, and role-based access control (RBAC), ensuring SOX compliance and minimizing unauthorized access and data breaches.
- Designed and documented RESTful APIs using Swagger/OpenAPI, enabling seamless communication between frontend and backend systems and reducing API-related issues by 30%.
- Managed cloud deployments on AWS using EC2, RDS, S3, and CloudWatch, delivering high availability and achieving 99.99% system uptime.
- Containerized applications with Docker and orchestrated them with Kubernetes, ensuring consistent environments and scalable infrastructure across development, testing, and production.
- Automated build, test, and deployment workflows using GitHub Actions and Jenkins reducing deployment time and accelerating release cycles by 50%.
- Improved software quality and test coverage using JUnit, Mockito, and Jest, increasing reliability and reducing production defects by 25%.

Software Developer
Sigma Infotech, Bangalore, India | Sep 2021- Aug 2023

- Architected scalable microservices using Java, Spring Boot, and messaging systems like Kafka and RabbitMQ, powering real-time financial systems and reducing system latency by 35%.
- Engineered and integrated RESTful APIs and WebSocket pipelines to drive key dashboards including Portfolio Overview, Risk Profiling, Loan Admin, and Order Tracking, improving user response times by 40% and enhancing data visibility.
- Automated end-to-end financial workflows such as credit scoring, bid evaluation, payment disbursement, and AI-based investment recommendations, reducing manual processing by 60% with rule engines and machine learning integration.
- Developed real-time, interactive dashboards using React, Angular, Redux, and Chart.js for advisors, investors, and loan officers, enabling performance monitoring, risk alerts, and secure role-based access.
- Led deployment of cloud infrastructure on AWS and Azure, implementing CI/CD pipelines with Jenkins, Docker, and Kubernetes, accelerating deployment cycles by 50% and ensuring system resilience and scalability.
- Ensured enterprise-grade security and compliance (SEBI, FINRA, PCI-DSS) by implementing OAuth 2.0, SSL/TLS encryption, and role-based access controls across all APIs and services.

Education

Master of Science in Information Systems	**May 2025**
Northeastern University,	*Boston, MA*
Bachelor of Technology in Electrical Engineering	**May 2022**
National Institute of Technology,	*Silchar, India*

Project

E-Commerce Platform Development for Scalable User Experience
Tools: React, Node.js, Express, MongoDB, JWT (JSON Web Tokens), OAuth2, Role-Based Access Control (RBAC), Docker, Kubernetes, Swagger/OpenAPI

- Developed a scalable e-commerce platform using React and Node.js, improving user engagement by 40% and reducing page load time by 30%, while building RESTful APIs with Express and MongoDB for seamless frontend-backend communication.
- Implemented secure authentication with JWT and OAuth2, ensuring role-based access control (RBAC), data encryption, and compliance with security regulations.
- Containerized application with Docker, deployed on Kubernetes via AWS, automated CI/CD with GitHub Actions and Jenkins, achieving 99.9% uptime and 50% faster deployment, and utilized Swagger/OpenAPI for API documentation.