PREYASH AMAR MEHTA

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Professional Summary

Full-stack Software Engineer with 3 years of experience delivering Java, Spring Boot microservices, cloud-based workflows, and secure, high-performance web applications. Skilled in building REST APIs, optimizing PostgreSQL databases, and developing production-ready React interfaces tightly integrated with backend services. Experienced with AWS, CI/CD automation, containerized deployments, and distributed system monitoring to ensure reliability, scalability, and efficient cross-team delivery.

Technical Skills

Programming Languages: Java, TypeScript, JavaScript, SQL, HTML5, CSS3
Backend: Spring Boot, Spring MVC, Spring Security, Node.js, Express, RESTful APIs, Microservices
Frontend & Framworks: React, Angular, Tailwind CSS, Responsive UI Design, Component-Driven Development
Databases & Storage: PostgreSQL, MongoDB, MySQL, SQL Server, ORM Tools, Query Optimization
Messaging & Event Systems: Kafka, Event-Driven Architecture
Cloud & DevOps: AWS, Docker, Kubernetes, Terraform, Jenkins, GitHub Actions, CI/CD Pipelines
Testing & Observability: JUnit, Mockito, Cypress, Postman, CloudWatch, Grafana, Performance Monitoring

Professional Experience

Formless Inc   **June 2024 - October 2024**
Software Engineering Intern | Digital Rights Payment

- Architected a full-stack configuration service with Spring Boot backend APIs and a React-based admin interface using schema validation and RBAC, enabling creators to manage monetization workflows across distributed platform microservices.
- Developed Jenkins CI/CD pipelines integrating JUnit and Cypress test automation, leveraging GitHub Copilot for rapid UI and API test generation; achieved **90%** coverage and accelerated frontend and backend deployment cycles by **40%** through Dockerization.
- Implemented blockchain withdrawal flows with React/MetaMask wallet interactions on the frontend and secure Spring Boot APIs on the backend, integrating webhook-driven event confirmations for real-time Ethereum/Polygon settlement.

Atos   **March 2023 - June 2023**
Associate Consultant - GCM 2 | Payment Processing Platform

- Designed event-driven microservices using Spring Boot and Kafka while collaborating with frontend teams to integrate real-time status updates and notification flows for high-volume insurance transactions exceeding **500K/day**.
- Established Jenkins CI/CD pipelines incorporating component, API, and UI testing using JUnit, Mockito, and Cypress, maintaining **80%** test coverage and reducing cross-team release issues by **15%**.
- Built secure OAuth2 REST APIs and optimized SQL queries to enhance performance and responsiveness for claim and policy processing.

Atos   **March 2021 - February 2023**
Associate Consultant - GCM 1 | Transactions Processing Application

- Delivered full-stack transaction features using Spring Boot microservices and React UI modules, ensuring consistent user workflows and maintaining **99.9%** uptime across policy management, payment workflows, and claim operations.
- Enhanced system responsiveness by **25%** through PostgreSQL query tuning and implemented client-side caching in React to reduce data-loading latency for high-traffic operational dashboards.
- Built reusable and responsive React components integrated with JWT-secured Spring Boot APIs, improving navigation, workflow accuracy, accessibility, and overall interface consistency across internal agent portals and policyholder-facing web applications.
- Established full-stack observability using CloudWatch by capturing UI error events, API performance traces, and system health metrics, improving issue visibility and incident detection rates by **30%**.

Projects

Cloud-Native User Onboarding Platform | *AWS, Terraform, PostgreSQL, SendGrid, GitHub Actions*   *June 2025*

- Built AWS-based onboarding platform with Terraform IaC, SNS notification workflows, SendGrid email delivery, private VPC networking, and GitHub Actions CI/CD deploying custom AMIs with RDS achieving **99.9%** uptime.

Event Management Platform | *React, TypeScript, Node.js, MongoDB, Docker, Kubernetes*   *May 2025*

- Developed full-stack platform with React TypeScript frontend and Node.js REST APIs using MongoDB, supporting **5K+** concurrent users with JWT authentication and Kubernetes orchestration for containerized deployment.

Education

Northeastern University   *Boston, MA, USA*
Master of Science in Computer Software Engineering (GPA: 3.83)   *2025*
Relevant Courses: Object-Oriented Design, Web Development, Cloud Computing, Data Structures & Algorithms, Design Patterns

Savitribai Phule Pune University   *Pune, MH, India*
Bachelor of Engineering in Computer Engineering (GPA: 3.70)   *2020*
Relevant Courses: Machine Learning, System Design, Database Management, Computer Science, Information Systems, Distributed Systems