

PREYASH AMAR MEHTA

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Professional Summary

Full Stack Software Engineer with 2+ years of experience building member-facing and backend systems using Java, Spring Boot, React, and AWS. Proven ability to design scalable microservices, REST APIs, and cloud-native solutions supporting high-traffic customer workflows with strong emphasis on reliability and production readiness. Experienced collaborating with product and cross-functional teams to deliver impactful features while modernizing systems through iterative, data-driven, and AI-assisted engineering.

Technical Skills

Programming Languages: Java, TypeScript, JavaScript, SQL, Python
Backend Development: Spring Boot, Spring MVC, GraphQL, Node.js, FastAPI, HTTP, JSON
Frontend & Frameworks: React.js, Redux, Zustand, HTML, CSS, Tailwind CSS, Vite
Databases & ORM: PostgreSQL, MySQL, Redis, MongoDB, Hibernate, Sequelize
Cloud & DevOps: AWS, Docker, Kafka, GitHub Actions, Terraform, Kubernetes
Testing & Observability: JUnit, Mockito, Jest, Cypress, Postman, Logging, Monitoring
Developer Tools: Git, GitHub, IDEs, Debuggers, GitHub Copilot, OpenAI

Professional Experience

Formless Inc

June 2024 – October 2024

Software Engineering Intern

- Developed Spring Boot and Node.js APIs deployed via automated CI/CD pipelines using GitHub Actions to AWS ECS and Lambda, resolving production bottlenecks and reducing response latency by **30%**.
- Implemented customer-facing GraphQL APIs and schemas consumed by React applications, improving feature reliability by **18%** while enhancing cloud monitoring, logging, and production issue detection.
- Built and shipped React-based frontend features consuming REST APIs, collaborating with backend engineers to implement validation, error handling, and consistent UI patterns, improving workflow reliability and operational task completion rates.

Atos

March 2023 – June 2023

Associate Consultant - GCM 2

- Led migration of backend services into modular Java components for insurance clients, supporting 500K+ daily policy and claims-related events using Kafka-based messaging with PostgreSQL-backed persistence.
- Developed React.js frontend features integrated with backend services, enabling customer-facing dashboards while improving usability, reliability, and operational visibility for high-volume user workflows.
- Implemented RESTful service contracts across Java and Node.js services, enabling reliable integrations between frontend applications and backend systems for insurance client platforms.

Atos

March 2021 – February 2023

Associate Consultant - GCM 1

- Built Java Spring and Node.js services deployed on AWS EC2, exposing REST APIs for mission-critical insurance client workflows with optimized SQL access and maintaining **99.9%** uptime.
- Optimized backend performance using SQL query tuning, schema design, and caching strategies, improving response times by **21%** while maintaining reliability for high-frequency insurance workflows.
- Strengthened service quality through automated unit and API testing using JUnit, Mockito, REST-assured and Jest, reducing regressions and enabling safer, repeatable customer-facing deployments across multiple environments.
- Owned end-to-end feature delivery by aligning React components, ensuring consistent data contracts, scalable integrations, and reliable performance across distributed customer-facing services.

Projects

InsightIQ – AI Analytics Dashboard | React, TypeScript, FastAPI, Docker, PostgreSQL, Redis, LLMs

December 2025

- Built InsightIQ, a cloud-native analytics platform using FastAPI and React, leveraging Claude for AI-assisted backend development, test generation, and API validation across asynchronous workflows with PostgreSQL and Redis.

Personal Data Vault | Java, Spring, React, MySQL, JWT, Web3j, Docker, WebSocket, Swagger

November 2025

- Designed and implemented Spring Boot backend services with JWT authentication, OpenAPI documentation, and transactional workflows, ensuring secure state management and stable performance under concurrent, high-throughput request loads.

Education

Northeastern University

Boston, MA, USA

Master of Science in Computer Software Engineering (GPA: 3.83)

2025

Teaching Assistant – CSYE:7374 Design Patterns

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