

NIRALI MEHTA

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SUMMARY

Software Engineer with 4+ years of experience delivering **scalable, cloud-native SaaS solutions** across healthcare, education, and enterprise domains. Proficient in **C#, Java, Python, JavaScript (React, Angular, TypeScript)** with expertise in **Azure, AWS, Kubernetes**, and **CI/CD automation**. Skilled in **full-stack development**, **REST/GraphQL APIs**, **Agile Scrum**, **OOP**, and **performance optimization**, with growing exposure to **Generative AI**.

PROFESSIONAL EXPERIENCE

Cloud Computing Developer | Oregon State University | OR, USA

May 2025 – Present

- Engineered multi-language workflow support (Python, R, Java) within the FaaS framework across three execution environments, sustaining 10x higher concurrent workloads in production.
- Architected distributed microservices in Python and R using Docker and Kubernetes to automate data-intensive workflows across Azure Functions, Blob Storage, and AWS S3.
- Enhanced serverless runtime, reducing R latency by 33% and improving throughput and efficiency.
- Automated CI/CD pipelines with GitHub Actions and Azure Pipelines integrated with AWS Lambda, cutting release cycles from hours to minutes across hybrid cloud deployments.

Identity and Access Management Assistant | Oregon State University | OR, USA

February 2024 – March 2025

- Migrated ITSM workflows from TeamDynamix to ServiceNow, boosting performance and audit traceability.
- Secured 200+ access requests with OAuth 2.0 and TLS validation, enhancing authentication integrity.
- Automated user lifecycle management in Python and Bash, eliminating 80+ manual steps and reducing incidents by 14/month.
- Integrated test-driven development (TDD) and monitoring (Grafana, Azure Monitor) into Agile sprints.
- Collaborated closely with backend and frontend teams to ensure secure API integration and SDLC best practices.

Software Developer | VersionX Innovations | Bengaluru, India

January 2021 – April 2023

- Architected and deployed microservices using Spring Boot, .NET Core, and Node.js, delivering 15+ REST APIs supporting mission-critical enterprise workloads.
- Orchestrated scalable, modular web applications with React, Angular, and TypeScript, enhancing maintainability and user experience across SaaS platforms.
- Integrated PostgreSQL and MongoDB across distributed systems, ensuring data consistency, reliability, and high availability.
- Streamlined CI/CD pipelines with Jenkins and GitHub Actions on Azure and AWS, streamlining build, test, and release workflows across 25+ deployments per sprint.
- Optimized API and UI performance, improving responsiveness and reducing latency for over 1,000 enterprise users.
- Refined code and designs to ensure security, scalability, and best-practice compliance.
- Led Agile sprints and mentored 5+ developers to deliver key features on schedule.

Software Engineer | Adani | India

July 2019 – December 2020

- Spearheaded the multi-phase migration from AngularJS to Angular 9–12, modernizing enterprise-scale logistics systems.
- Defined system architecture, integration workflows, and reusable migration utilities to accelerate upgrades.
- Engineered enterprise modules from 0→1, defining architecture, data flows, and scalable patterns.
- Balanced scaling and automation of logistics services while contributing to new feature innovation.
- Actively contributed to CI/CD pipeline implementation using Jenkins, automating builds, tests, and deployments across staging and production environments, leading to faster and more reliable release cycles.
- Conducted in-depth JProfiler and VisualVM diagnostics to pinpoint bottlenecks in memory management and garbage collection, fine-tuning performance-critical backend components.
- Implemented unit tests and participated in TDD-based development cycles to maintain high-quality standards.

PROJECTS

E-commerce Test Automation Framework

- Engineered a Selenium framework validating 50+ UI and 100+ API workflows for reliability and data integrity.
- Integrated GitHub Actions & Jenkins for continuous testing, adhering to TDD principles and reducing regressions by 80%.
- Enhanced system coverage through REST and GraphQL test validations, ensuring robust end-to-end system reliability.

Subscription Management

- Built a full-stack Angular and Firebase subscription management system supporting real-time analytics dashboards.
- Optimized GraphQL & Angular components, deployed via Azure App Service, reducing API load by 25%.
- Implemented dynamic UI and responsive layouts following best practices for scalable front-end architecture.

TECHNICAL SKILLS

Programming Languages: C#, Java, Python, JavaScript, TypeScript, SQL, R, Rust (exposure), HTML5, CSS3

Frameworks & Libraries: Spring Boot, .NET Core, Hibernate, React, Angular, Redux, Node.js, Express, Flask, Bootstrap

Frontend & Mobile: Responsive UI, Component-based Architecture, React Native, Flutter (familiar), Accessibility (WCAG 2.2 AA)

Backend & API: Microservices, REST/GraphQL APIs, Kafka, RabbitMQ, Event-Driven Systems

Cloud & DevOps: Azure (Functions, Cosmos DB, Service Bus, Pipelines, Monitor), AWS (Lambda, EC2, ECS, DynamoDB, S3), GCP, Kubernetes, OpenShift, Docker, Terraform, Jenkins, GitHub Actions, GitLab CI/CD, Maven

Databases & Data Systems: Relational (PostgreSQL, MySQL, Oracle) and NoSQL (MongoDB, Cosmos DB, Elasticsearch)

Testing & Quality Assurance: JUnit, Mockito, Jest, Selenium, JMeter, Gatling, TDD, Unit Testing, Automated CI Tests

Monitoring & Observability: Grafana, Prometheus, AppDynamics, Azure Monitor, Splunk, Power BI

Security & Compliance: OAuth 2.0, TLS, IAM, Secure Coding Practices, Cloud Security, Audit Logging

Methodologies & Collaboration: Agile, DevOps, CI/CD, Code Reviews, Jira, Confluence

EDUCATION

M.S. in Computer Science | Oregon State University | Corvallis, OR

September 2023 – March 2025

B. Tech. in Information Science and Engineering | Jain University | Bengaluru, India

August 2016 – July 2020