NIRALI MEHTA

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SUMMARY

Software Engineer with **4+ years** of experience designing and developing **cloud-native, microservices-based SaaS** and **enterprise applications** across **healthcare, education and SaaS domains**. Skilled in **full-stack development** & proficient in **cloud platforms**, **Kubernetes**, **Terraform, CI/CD** & performance optimization for large-scale systems.

PROFESSIONAL EXPERIENCE

Oregon State University   *OR, USA*
Cloud Computing Developer   *May 2025 –Present*
- Engineered event-driven microservices in Python and R, deployed in Docker containers and orchestrated with Kubernetes, automating cloud workflows and integrating with AWS S3 and Minio across multiple environments.
- Extended the FaaSr framework to support multi-language workflows (Python, R, Java), streamlining deployment pipelines with GitHub Actions, AWS Lambda, and Apache OpenWhisk.
- Designed serverless workflows with FaaSr, optimizing R function execution & enabling scalable cross-environment processing.

Oregon State University   *OR, USA*
Identity and Access Management Assistant   *February 2024 – March 2025*
- Migrated ITSM approval workflows from TeamDynamix to ServiceNow, boosting efficiency and audit traceability.
- Implemented OAuth 2.0 and TLS-based validation, securing 200+ annual access requests.
- Automated user lifecycle management with Python and Bash scripts, streamlining onboarding and offboarding.
- Replaced 80+ manual steps with automation and testing, enhancing reliability and cutting incidents by 14 per month.

VersionX Innovations   *Bengaluru, India*
Software Developer   *January 2021 – April 2023*
- Architected scalable SaaS solutions using React.js, Angular, and TypeScript, driving efficient modular development.
- Developed Node.js & Spring Boot microservices powering 15+ REST APIs with enhanced stability and performance.
- Integrated SQL and NoSQL databases to ensure seamless data flow and system reliability.
- Optimized APIs and frontend logic, cutting response latency for 1,000+ enterprise users.
- Implemented CI/CD pipelines with automated testing, preventing 25+ regression defects per release.
- Led Agile sprints and mentored 5+ developers, delivering applications 15% faster while meeting all milestones.

Cipla   *India*
Software Engineer   *July 2019 – December 2020*
- Programmed a prescription workflow engine using Java Spring Boot and PostgreSQL, deployed on AWS Lambda and EC2, automating drug compliance reviews and saving 5 hours of manual work daily.
- Boosted dashboard efficiency with GraphQL APIs, improving query speed by 30% and adoption by 25%.
- Implemented Kafka-driven alerting microservices with Flask, MongoDB, and AWS SNS, enabling real-time triage across departments and preventing 9 missed escalations monthly.
- Delivered React dashboards with reusable Figma components, adopted by 4 centers to boost visibility and collaboration.
- Automated deployments using Docker and GitHub Actions, improving CI/CD efficiency, reducing manual release work by 10 hours weekly, and ensuring reliable REST API delivery.

PROJECTS

E-commerce Test Automation Framework
- Engineered a modular Selenium automation framework, validating 50+ UI workflows and 100+ API endpoints, ensuring data integrity and reliability across services.
- Integrated CI/CD (Jenkins, GitHub Actions) with parallel testing, cutting regression time from hours to minutes.

Subscription Management
- Built a full-stack subscription tracking platform with Angular and Firebase, featuring real-time analytics dashboards that reduced manual tracking by 5 hours per user monthly.
- Optimized GraphQL and Angular components, reducing API load by 25% and speeding releases from weeks to days.

TECHNICAL SKILLS

- **Programming Languages:** Java, .NET Core, Python, JavaScript, Rust (exposure), R, SQL, HTML5, CSS3
- **Frameworks & Libraries:** Spring Boot, Hibernate, React.js, Redux, Angular, Node.js, Express.js, Flask, Bootstrap
- **Cloud & Containers:** AWS (Lambda, EC2, S3), Azure (Functions, Blob, Pipelines), GCP, Kubernetes, OpenShift
- **Distributed Systems & Architecture:** Microservices, Event-driven Design, Scalable & Reliable SaaS
- **Databases:** SQL Server, Oracle, PostgreSQL, MySQL, MongoDB, Cassandra, Cosmos DB, Firebase, Elasticsearch
- **DevOps & CI/CD:** Docker, Jenkins, GitHub Actions, GitLab CI/CD, Azure Pipelines, Maven, Terraform
- **APIs & Integrations:** REST, GraphQL, Kafka, RabbitMQ, Swagger UI, Postman
- **Testing, QA & Automation:** JUnit, Mockito, MockMVC, Selenium, JMeter, Gatling, Postman, Dynatrace
- **Monitoring & Observability:** Prometheus, Grafana, AppDynamics, Splunk
- **Security:** OAuth 2.0, TLS, IAM, Secure Coding Practices, Cloud Security & Compliance Logging
- **Development Methodologies:** Agile, Scrum, Sprint Planning, Test-Driven Development (TDD)
- **Collaboration & Tools:** Jira, Trello, Asana, Figma, Visual Studio Code

EDUCATION

Oregon State University   **Corvallis, OR**
Master of Engineering in Computer Science   September 2023 – March 2025

Jain University   **Bengaluru, India**
Bachelor of Technology in Information Science and Engineering   August 2016 – July 2020