NIRALI MEHTA

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SUMMARY

Software Engineer with **4+ years of experience** building **scalable SaaS and enterprise applications** using **React.js**, **TypeScript**, **Node.js**, and **Python**. Skilled in designing **microservices**, integrating **RESTful APIs**, and deploying on **GCP** and **AWS**. Experienced with **CI/CD pipelines**, **automated testing**, and **Agile collaboration** across **healthcare**, **education**, and **SaaS** domains. Proven ability to reduce **system latency**, **automate workflows**, and deliver solutions for **1,000+ users**.

PROFESSIONAL EXPERIENCE

Cloud Computing Developer | Oregon State University | USA   *May 2025 – Present*

- Developed cloud-native workflows using the **FaaSr** package by deploying **serverless R functions** on **GitHub Actions**, **AWS Lambda**, and **OpenWhisk**, integrated with **Minio** and **AWS S3** for cloud storage across **3 environments**.
- Deployed Docker-based microservices for **event-driven data processing**, automating **5 cloud** workflows and ensuring reliable storage with **cloud object stores**.
- Extending the **FaaSr** framework with Python support to enable multi-language workflow orchestration and reduce deployment complexity across **GitHub Actions**, **AWS Lambda**, and **OpenWhisk**.

Identity and Access Management Assistant | Oregon State University | USA   *February 2024 – March 2025*

- Migrated ITSM approval workflows from **TeamDynamix** to **ServiceNow**, enhancing audit traceability and cutting processing delays for over **200 access requests** across faculty and staff systems.
- Constructed automation scripts using **Python** and **bash scripts**,enabling lifecycle provisioning of user accounts and eliminating over **80 manual steps** in onboarding/offboarding sequences.
- Programmed secure identity validation modules with embedded **unit tests**, reducing access-related system exceptions by **14 incidents per month** across student service platforms.

Software Developer | VersionX Innovations | India   *January 2021 – April 2023*

- Engineered scalable SaaS front-end systems using **React.js (Redux, Hooks)**, **Angular**, and **TypeScript**, delivering a reusable component library that shortened development cycles across **6 product modules**.
- Enhanced REST API performance by optimizing backend queries and frontend fetch logic, cutting average response latency for **1,000+ daily users** across enterprise client portals.
- Constructed backend microservices with **Node.js** and **Express.js**, enabling consistent front-end communication for over **15 data endpoints**, improving transaction stability across deployments.
- Implemented automated testing workflows using **Selenium**, embedding test scripts into CI/CD pipelines to eliminate over **25 regression defects** during release iterations.
- Deployed a client-facing analytics dashboard using **React.js** that processed over **100 daily inquiries**, streamlining support analysis and reducing triage backlog by over **2 hours per case**.
- Led Agile sprints and owned end-to-end delivery of web solutions, achieving **15% faster timelines**, 100% milestone adherence, and zero scope creep while **mentoring 5+ junior developers** through targeted training to uplift team productivity.
- Delivered scalable **UI solutions** using **TypeScript**, enhancing frontend performance and maintainability, while contributing to system-wide improvements in performance and code efficiency.

Software Engineer | Cipla | India   *July 2019 – December 2020*

- Engineered a prescription workflow engine using **Next js** and **PostgreSQL**, deploying via **AWS Lambda** and **EC2** to automate drug compliance across 3 therapeutic lines, saving **5 hours daily** in manual review.
- Developed real-time inventory dashboards with **React.js**, **Bootstrap**, and **JavaScript (ES6+)**, collaborating with design via **Figma** to deliver **12 components** used by 4 distribution centers.
- Orchestrated **CI/CD pipelines** using **Docker** and GitHub **Actions**, reducing manual release efforts by **10 hours weekly** and aligning with DevOps best practices.
- Implemented alerting microservices in **Flask** using **MongoDB** and **AWS SNS**, enabling incident triage across 3 departments and lowering missed escalation rates by **9 cases monthly**.
- Validated **REST APIs** through **Postman**, resolving schema mismatches and shortening regression cycles by **20 hours** across 2 mission-critical pharma systems.

TECHNICAL SKILLS

Languages: Java, JavaScript (ES6+), Python, SQL, HTML5, CSS3
Frameworks & Libraries: React.js, Angular, Node.js, Flask, Bootstrap
Cloud Platforms: AWS (Lambda, EC2, S3), Azure Functions, Azure DevOps, Google Cloud Platform
DevOps & CI/CD: Docker, GitHub Actions, Azure Pipelines
APIs & Integrations: REST, Express.js, Swagger UI, Postman
Databases: PostgreSQL, MongoDB, MySQL, Firebase (Cloud Firestore)
Testing & Automation: Selenium
Project & Agile Tools: Jira, Trello, Asana, GitHub Actions, Visual Studio Code
Methodologies: Agile, Scrum, Sprint Planning
Design & Collaboration: Figma

EDUCATION

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

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