

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 FaaSr 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, 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**