

VRAJ SHAH

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Skills

Programming Languages: Python, Go, Kotlin, Java, JavaScript, TypeScript, SQL, C++, C#

IT & Cloud Infrastructure: AWS, Azure, Kubernetes, Docker

Business & IT Alignment: IT project coordination, stakeholder engagement, business analysis

Backend & System Design: Python, Flask, FastAPI, Spring Boot, REST APIs, Microservices

Database Management: PostgreSQL, MySQL, Firebase Firestore

DevOps & CI/CD: GitHub Actions, GitLab CI, Jenkins, Terraform

Soft skills: Strong communication, Problem solving, Teamwork and collaboration, Adaptability, Negotiation, Attention to detail, Critical thinking, Time management, Ability to learn continuously

Work Experience

Simform Solutions

Dec 2021 - Nov 2023

Software Engineer

Ahmedabad, India

- Collaborated with cross-functional teams (developers, designers, and business analysts) to implement scalable IT solutions, ensuring alignment with business goals.
- Optimized backend performance by refactoring microservices in Python & Java, improving system response times by 35% and reducing infrastructure costs by 20%.
- Implemented CI/CD pipelines using GitHub Actions & GitLab CI, reducing deployment time by 50%.
- Led IT infrastructure projects using AWS & Kubernetes, ensuring 99.9% uptime for mission-critical applications.
- Worked with stakeholders to define IT requirements, create system architecture plans, and ensure smooth implementation of new technologies.
- Developed automated test suites (PyTest & JUnit), increasing test coverage to 85% and reducing production bugs by 70%.

Education

Dalhousie University

Jan 2024 - Sep 2025

Master of Applied Computer Science (Co-op Candidate) | GPA: 4.07/4.3

Halifax, Canada

Charusat University

Jun 2018 - Apr 2022

Bachelor of Computer Engineering | GPA: 8.7/10

Gujarat, India

Projects

IT Business Analysis & Solution Design

- Analyzed stakeholder requirements and identified gaps in the existing IT service request handling process, improving efficiency by automating approvals.
- Developed a business case & technical documentation, outlining proposed IT solutions, cost-benefit analysis, and feasibility.
- Collaborated with IT teams & vendors to align business needs with technical implementation, ensuring smooth project execution.

ServiceHub (AWS Infrastructure Automation) | *Source Code*

AWS Services

- Designed and built a scalable web application for service providers and requesters, integrating e-signed contracts and feedback systems, resulting in a 20% increase in user engagement by enhancing user trust and interaction flow.
- Designed a scalable infrastructure with EC2 Auto Scaling Groups (ASG), Elastic Load Balancer (ALB), and Amazon DynamoDB for high availability and fault tolerance.
- Automated infrastructure provisioning and deployment using AWS CloudFormation, ensuring consistent and repeatable cloud environments, reducing deployment time by 50%.

K8s Microservices | *Source Code*

Spring Boot (Kotlin) | Kubernetes | Docker | CloudBuild

- Designed a **Kubernetes-based microservices architecture** with Spring Boot containers, ensuring secure communication and fault tolerance, **leading to a 99.9% uptime rate**.
- Deployed **microservices using Kubernetes** and automated deployment processes with **CloudBuild**, accelerating **deployment speed and scalability by 40%**.
- Utilized **Docker containers** to standardize application environments across development and production, **reducing deployment inconsistencies by 35%** and increasing testing efficiency.