

## SUMMARY

Software Engineer with 2+ years of experience in designing distributed systems, building scalable APIs, and automating cloud infrastructure (Azure, AWS). Skilled in Java, Python, and system optimization, with a strong focus on solving complex engineering problems. Proven success in agile teams and cloud-native environments. Seeking to build scalable, impactful systems as an SDE at Amazon.

## PROFESSIONAL EXPERIENCE

### Aditas Solutions.

#### Junior Cloud Engineer

Illinois, United States

Apr 2025 - Jul 2025

- Built distributed microservices using Azure Kubernetes Service and Azure Functions, enabling API scalability to 1M+ monthly requests with 99.99% uptime.
- Optimized API performance by refactoring database queries and caching layers with Redis, reducing response latency by 30%.
- Automated cloud infrastructure provisioning using ARM templates and Azure DevOps pipelines, slashing environment setup time by 70%.
- Led CI/CD automation efforts, integrating testing, rollback, and release processes via Azure DevOps, improving deployment frequency by 25%.
- Developed real-time monitoring dashboards using Azure Monitor & Application Insights, cutting MTTR by 40%.
- Enforced security standards with Azure Key Vault, RBAC, and policy enforcement, passing 100% compliance checks in audits.
- Collaborated with architects and stakeholders to design fault-tolerant, cost-optimized systems for enterprise-scale apps.

### Capgemini Technology Services

#### Software Engineer

Hyderabad, India  
Dec 2021 - Aug 2023

- Developed a scalable web portal to access government schemes, increasing discoverability and reducing manual queries by 60%.
- Engineered modular, role-based components for faculty/user profile management using Spring Boot and SQL, enhancing security and maintainability.
- Reduced technical debt by 40% by refactoring monolithic modules into reusable service layers.
- Integrated audit trails and input validation, improving system integrity and reducing user onboarding errors by 55%.
- Enhanced backend performance via SQL optimization and JVM tuning, decreasing data processing latency by 25%.
- Applied IAM policies and secure coding standards, achieving 99.9% uptime with audit compliance.
- Provided L3-level support for cloud and on-premises infrastructure, resolving critical issues within 24 hours and reducing client-reported escalations.
- Created custom monitoring dashboards using Azure Monitor and Grafana, improving visibility and response times for production services.
- Participated in client demos and technical documentation, helping ensure stakeholder alignment and successful handovers.
- Collaborated across QA, DevOps, and product teams, accelerating time-to-market through continuous delivery.
- Mapped client-side logic to backend eligibility engines, aligning functional requirements with government compliance rules.

## INTERNSHIPS

### Bharat Dynamics Limited (BDL)

#### Application Developer Intern

2019

- Developed cloud-native applications on Azure and AWS, improving system uptime and availability by 30%.
- Automated infrastructure tasks using PowerCLI & ARM, reducing provisioning time by 40%.
- Collaborated with a cross-functional team to ensure system compliance and data consistency, reducing onboarding time for new users.

### Electronics Corporation of India Limited (ECIL)

#### Application Developer Intern

2019

- Built a travel bill tracking system with receipt capture and offline access, enabling reliability in low-connectivity environments.
- Conducted comprehensive testing and validation to ensure functionality and reduce bugs in deployment.
- Designed a modular database schema to support multiple user roles and permission levels, improving security and maintainability.

## EDUCATION

### University of Illinois System

#### Master of Science in Computer Science.

Illinois, United States.

**Coursework:** Advanced Database Management System, Web Design, Data Visualization, Computer Networking and its principles, Security Testing Essentials.

GPA: 4/4

## **TECHNICAL SKILLS**

**Languages:** Java, Python, SQL, JavaScript, HTML/CSS.

**Frameworks:** Spring Boot, Flask, React JS, Angular JS, Hibernate.

**Cloud Platforms:** Microsoft Azure (AKS, Functions, Monitor, Key Vault), AWS.

**DevOps & Tools:** ARM Templates, Azure DevOps, Git, Jenkins, JIRA, Grafana, PowerCLI, Firebase.

**ML/AI:** TensorFlow, Keras, ANN, Confusion Matrix, Feature Engineering.

**Concepts:** Object-Oriented Design, Distributed Systems, Microservices, CI/CD, API Design, Agile, SDLC.

## **PROJECTS**

### **Traveling Bill Tracking System** | *Java, Web Development*

- Built a web app using Java, HTML, CSS, and JS to automate employee registration and manage travel expenses.
- Implemented backend logic for approvals and report generation, reducing administrative overhead by 30%.
- Enabled dynamic search and user history logs, improving usability and audit tracking.
- Applied input validation and session management techniques to ensure secure user interactions.
- Integrated downloadable report generation in PDF format, simplifying financial documentation and compliance.

### **Fake Profile Detection System Using Artificial Neural Networks** | *Python, Machine Learning, Web Development*

- Developed a feedforward Artificial Neural Network to classify fake vs. genuine profiles with 87% accuracy.
- Engineered feature inputs and trained model using TensorFlow/Keras; evaluated with confusion matrix.
- Integrated model into a web interface with admin dashboard for real-time detection and reporting.
- Implemented Flask-based backend API for model inference and deployment.
- Designed a responsive frontend using HTML/CSS/JS for seamless mobile and desktop access.

## **CERTIFICATIONS**

- **Microsoft Certified: Azure Administrator Associate**