

VISHAL SHUKLA

Software Engineer

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Profile Summary

Backend Software Engineer with 3+ years of experience building and maintaining production systems using Go and AWS. Experienced in distributed systems, high availability, cloud infrastructure, CI/CD, and backend service development, with hands-on experience improving the resilience and scalability of production platforms.

Experience

HCLTech

Jun 2025 – Present

Technical Lead – Deployed Onsite at Cisco

Bangalore, India

- Developed and maintained Go backend services for Cisco's Universal Zero Trust Network Access (UZTNA) platform, handling feature development, bug fixes, integrations, and production issues.
- Improved the high availability and resilience of the platform by implementing cross-data-center active-standby failover using AWS ECS Fargate, DynamoDB, SQS, and Route 53 health checks across multiple continents.
- Worked across multiple backend services and integrated with services owned by other teams, including Kafka- and Kinesis-based event consumption using Avro serialization.
- Implemented backward- and forward-compatible changes across existing backend services and data flows, allowing new and older versions to work together during deployments and upgrades.
- Maintained AWS infrastructure using Terraform and Terragrunt, including ECS Fargate services, IAM policies, networking, and supporting resources.
- Automated application and infrastructure deployments across environments and data centers using Jenkins, Terraform, and Terragrunt, and handled production debugging, monitoring, root-cause analysis, and on-call issues.

Virtue Analytics

May 2023 – Jun 2025

Front-end Engineer → Full-stack Engineer

Lucknow, India

- Built and maintained web applications using Next.js, Python, Strapi, and MongoDB, working across frontend features, backend APIs, authentication, and application data.
- Developed an EdTech platform for college discovery and comparison, including student profiles, college comparison, document uploads, and workflows for processing student information.
- Built Python-based document processing workflows to extract text from images and convert unstructured documents into structured data used by the application.
- Developed REST APIs using Python and Strapi, with MongoDB for application and user data, and containerized applications with Docker for AWS deployments.
- Developed a healthcare application for a US-based client with encryption, role-based access control, and secure handling of sensitive patient data.

Technical Skills

Languages: Go, Python, TypeScript, SQL

Backend & Systems: Distributed Systems, REST APIs, High Availability, Networking

Cloud & DevOps: AWS (ECS, Lambda, S3, IAM, VPC, Route 53, CloudWatch, EFS, Kinesis), Docker, Kubernetes, Terraform, Terragrunt, Jenkins, CI/CD

Databases: DynamoDB, PostgreSQL, MySQL, MongoDB

Tools & Platforms: Linux, Git, Production Observability

Education

Chandigarh University

2022 – 2025

Master of Computer Applications – Specialization in Machine Learning and Artificial Intelligence

Distance Education

Babasaheb Bhimrao Ambedkar University (BBAU)

2019 – 2022

Bachelor of Business Administration

Lucknow, India