

Ashutosh Sharma

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PROFESSIONAL SUMMARY

Full-Stack Developer experienced in building scalable applications and microservices using **Golang**, **Python**, and **TypeScript**. Skilled in designing APIs, database schemas, and automation workflows. Strong foundation in cloud technologies and DevOps pipelines using **AWS**, **Docker**, and **Terraform**. Passionate about clean architecture, code quality, and performance optimization.

EXPERIENCE

• Health Espresso

Cloud Engineer Co-op

Remote

May 2025 – Aug. 2025

- Developed over 40 **Lambda** functions using **Python** and **Node.js** for scalable multi-region deployment.
- Migrated ZIP-based Lambdas to **container images**, enabling **GitHub-integrated CI/CD** and reducing deployment time by 95%.
- Developed modular **Terraform** templates and integrated **AWS CodePipeline** for automated provisioning.
- Refactored **IAM policies** to enforce least privilege and automated alias creation via **Bash scripts**.
- Used **AWS Secrets Manager** and **Parameter Store** to centralize secure configuration management.
- Monitored and troubleshooted services using **CloudWatch Logs** and **AWS X-Ray**.
- Collaborated with developers and QA to deliver stable releases through version-controlled pipelines.

• Samartha International InfoSolutions

Kathmandu, Nepal

Full Stack Developer

Jun. 2020 – Aug. 2023

- Delivered production-grade web applications using **React**, **ASP.NET Core**, and **PostgreSQL**.
- Designed and implemented REST APIs, authentication systems, and reusable UI components.
- Built CI/CD pipelines and Dockerized workloads for consistent and reproducible deployments.
- Maintained on-prem **Kubernetes** clusters (30-node **vSphere** setup) and containerized workloads.

PROJECTS

• PharmaKart (GitHub)

Jan. 2025 – Mar. 2025

- Designed and implemented microservices architecture using **Golang** and **gRPC** for inter-service communication.
- Built scalable APIs with **clean architecture**, **JWT authentication**, and **RBAC roles**.
- Optimized performance using **Redis caching** for product listings, authentication tokens, and order lookups.
- Implemented a reminder system using AWS **Lambda**, **SNS**, and **SQS** for asynchronous notifications.
- Integrated **Stripe** for secure payments, refunds, and webhook-based validations.
- Deployed microservices to **EKS** with **Terraform**, maintaining 99.9% uptime and seamless CI/CD via **GitHub Actions**.
- Built a responsive frontend using **Next.js**, **ShadCN**, and **Tailwind CSS**.

EDUCATION

& CERTIFICATION

• Durham College

Oshawa, ON

Postgraduate Certificate in Cybersecurity & Cloud Computing

Sep. 2023 – Apr. 2025

- Focused on **Cloud Security**, **DevSecOps**, and **Infrastructure as Code** using **AWS**, **Azure**, and **GCP**.
- Gained hands-on experience with **Kubernetes**, **Terraform**, **GitHub Actions**, and **Jenkins**.
- GPA: 4.75 / 5.0

• Leeds Beckett University

Leeds, UK

BSc (Hons) Computing

Feb. 2019 – Jul. 2022

- Studied **SDLC**, **Web Development**, **Database Design**, and **Programming** (Java, C#, Python).
- GPA: 3.8 / 4.0

• HashiCorp Certified Terraform Associate

Credential ID: 3fc692e0-6068-4337-a077-59e033d1a9d4

Apr. 2025