

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** Remote
Cloud Engineer Co-op 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