

# Ashutosh Sharma

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## PROFESSIONAL SUMMARY

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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

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- **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

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- **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

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- **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