

# Ashutosh Sharma

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## PROFESSIONAL SUMMARY

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Cloud and DevOps Engineer specializing in **AWS**, **Terraform**, **Kubernetes**, and **CI/CD automation**. Experienced in building **containerized workloads**, managing **secure multi-region deployments**, and implementing **infrastructure as code (IaC)**. Passionate about **cloud-native design**, **DevSecOps**, and **automation for operational excellence**.

## EXPERIENCE

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- Health Espresso** Remote  
*Cloud Engineer Co-op* May 2025 – Aug. 2025
  - Built and containerized over 40 **AWS 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** and **CodeBuild** 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 enterprise applications using **React**, **ASP.NET Core**, and **PostgreSQL**.
  - Automated deployments using **Jenkins** and **Docker**, reducing release cycles by 50%.
  - Maintained on-prem **Kubernetes** clusters (30-node **vSphere** setup) and containerized workloads.

## PROJECTS

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- PharmaKart (GitHub)** Jan. 2025 – Mar. 2025
  - Developed a cloud-native pharmacy platform using **Golang microservices**, **gRPC**, and **PostgreSQL** backend.
  - Deployed backend on **AWS EKS** using **Terraform** with environment separation and 99.9% uptime.
  - Built **CI/CD pipelines** via **GitHub Actions** and **CodePipeline** for zero-downtime updates.
  - Implemented **AWS Lambda** + **SNS** reminder service for medicine refill notifications.
  - Frontend built with **Next.js**, **ShadCN**, and **Tailwind CSS** for responsive UI.

## 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