

ASHUTOSH SHARMA

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EDUCATION

Durham College

Oshawa, ON

Post Graduate Certificate in Cybersecurity & Cloud Computing

Sep. 2023 – Apr. 2025

- Secure Software Development, Cloud Security, Network Security, Ethical Hacking, Splunk Fundamentals
- AWS, Azure, GCP, Kubernetes, Terraform, Jenkins, CodePipeline, GitHub Actions, CI/CD, DevSecOps
- GPA: 4.75 / 5.0

Leeds Beckett University

Leeds, UK

Bachelor of Science Honours Computing

Feb. 2019 – July 2022

- Software Development, Web Development, Database Management, SDLC, Networking
- Java, Python, C#, JavaScript, HTML, CSS, PHP, ASP.NET, React, Node.js, Express, MongoDB, PostgreSQL
- GPA: 3.8 / 4.0

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, S3, Lambda, ECS, EKS, CloudFormation), Azure, GCP

DevOps & IaC: Docker, Kubernetes, Terraform, Pulumi, Jenkins, GitHub Actions, AWS CodePipeline, Google CloudBuild, Azure DevOps

Languages: Golang, TypeScript, JavaScript, Python, C#, SQL, Bash, AWK, sed

Frameworks: React, Next.js, ASP.NET Core, gRPC, Flask, Django (basic)

Web Technologies: HTTP/HTTPS, XML, JSON

Databases: PostgreSQL, MongoDB, MS SQL, DynamoDB

Monitoring & Security: Prometheus, Grafana, SonarQube, AWS CloudTrail

Operating Systems: Linux (Arch, Ubuntu), Windows

Tools: Git, Neovim, Shell Scripting, Jira, Internal Tools Development

Certifications: HashiCorp Terraform Associate ([Verified Badge](#)), CREATIO Developer (2022)

EXPERIENCE

Cloud Engineer Co-op

May 2025 – Aug. 2025

Health Espresso (Remote)

- Developed and deployed containerized **AWS Lambda** functions using **Docker**, improving maintainability and reducing deployment time by over **40%**.
- Engineered a Terraform-based CI/CD pipeline with **AWS CodePipeline** and **CodeBuild**, enabling seamless promotion of new functions to dev and prod environments.
- Wrote robust **Bash** automation scripts to dynamically generate alias, permissions, and configuration templates for multi-region support.
- Optimized **Terraform** modules, reducing resource duplication and improving reusability across deployments.
- Collaborated on technical documentation and cloud service mapping with other co-op students; contributed to over **10** service diagrams and process documents reviewed by senior engineers.

Full Stack Developer

June 2020 – Aug. 2023

Samartha International InfoSolutions

Kathmandu, Nepal

- Spearheaded the development of an E-commerce platform using React, ASP.NET Core, and PostgreSQL.
- Leveraged AWS services and CI/CD pipelines to reduce deployment time by 50%.
- Architected CRM & BPM solutions using ASP.NET and MS SQL to streamline business workflows.
- Deployed containerized workloads with Docker & Kubernetes, optimizing scalability and reducing infrastructure cost by 30%.

PROJECTS

PharmaKart ([Link](#)) | Golang, gRPC, Kubernetes, Terraform, AWS, GitHub Actions, PostgreSQL

Jan. 2025 – Mar. 2025

- Designed and deployed microservices using **Golang** and **gRPC** with JSON-based APIs.
- Provisioned AWS infrastructure using **Terraform** and orchestrated services via **Kubernetes**.
- Set up zero-downtime CI/CD pipelines using **GitHub Actions** and **AWS CodePipeline**.
- Built and deployed internal admin tooling to manage users, prescriptions, and orders—accelerating support workflows.
- Achieved **99.9% uptime** using fault-tolerant architecture and proactive Kubernetes resource tuning.