Ashutosh Sharma

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PROFESSIONAL SUMMARY

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

- **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 troubleshot 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

- 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

- **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*