

Professional Summary

Cloud and DevOps Engineer | Full-Stack Developer with 3+ years of experience designing scalable, cloud-native applications and robust software solutions. Proven expertise in AWS, Kubernetes, and Terraform for infrastructure as code. Implemented containerized microservices architecture at PharmaKart, achieving **40% reduction in deployment time** and **20% increase in customer retention**. Skilled in developing secure CI/CD pipelines, microservices architecture, and cross-functional team collaboration.

Work Experience

- **Full Stack Developer, Samartha International InfoSolutions, Kathmandu, Nepal** **2020 – 2023**
 - Promoted from intern to lead developer within 6 months to spearhead key digital transformation initiatives.
 - **CRM and BPM Solution (Creatio)**: Architected and customized enterprise solutions using C#, JavaScript, and Ext.JS. Deployed via Kubernetes with RabbitMQ message queuing.
 - **Impact**: Increased client productivity by **25%** through optimized automation.
 - **Digital Bill Tracking System**: Developed and deployed a secure bill management platform with ASP.Net backend and Next.js frontend. Implemented GitHub Actions CI/CD pipeline.
 - **Impact**: Reduced manual errors by **15%**, accelerating tracking by **20%**.
 - **Electronic Attendance with Digital ID**: Built biometric authentication system with ASP.Net Core and React.
 - **Impact**: Improved attendance accuracy by **30%** and eliminated time fraud.
 - Mentored junior developers and established code review standards, reducing production bugs by **40%**.

Projects

- **PharmaKart - E-Pharmacy Platform (GitHub)** **2025**
 - Designed and implemented a microservices architecture using **Golang and gRPC** for high-performance service communication.
 - Orchestrated containerized deployments with **Kubernetes** and provisioned infrastructure using **Terraform** on AWS.
 - Implemented zero-downtime deployment pipelines with **GitHub Actions**, reducing deployment time by **40%**.
 - Integrated **AWS SNS/SQS** for automated medicine refill reminders, improving customer retention by **20%**.
 - Achieved **99.9% uptime** through resilient architecture and proper Kubernetes resource management.
 - Optimized database queries and backend workflows, accelerating order processing by **25%**.
- **Distributed Task Scheduler** **2023**
 - Built a fault-tolerant task scheduling system using **Node.js, Redis, and MongoDB**.
 - Implemented leader election algorithm for high availability, ensuring zero task duplications.
 - Containerized the application with **Docker** and deployed on **AWS ECS** for automatic scaling.
 - Reduced infrastructure costs by **30%** through efficient resource utilization.

Education

Postgraduate in Cloud Computing , Durham College, Oshawa, ON, Canada <i>Relevant coursework: Cloud Architecture, DevOps Engineering, Microservices Design</i>	2024 – 2025
Postgraduate in Cybersecurity , Durham College, Oshawa, ON, Canada <i>Relevant coursework: Penetration Testing, Cloud Security, Security Operations</i>	2023 – 2024
BSc. Hons Computing , Leeds Beckett University, Leeds, United Kingdom <i>Graduated with First Class Honours (GPA: 3.8/4.0)</i>	2018 – 2022

Technical Skills

- Cloud Platforms:** AWS (EC2, S3, Lambda, ECS, CloudFormation), Azure, GCP
 - DevOps & IaC:** Docker, Kubernetes, Terraform, Jenkins, GitHub Actions
 - Languages:** Golang, TypeScript, JavaScript, Python, C#, SQL
 - Frameworks:** React, Next.js, ASP.NET Core, gRPC, Flask
 - Databases:** PostgreSQL, MongoDB, MS SQL, DynamoDB
 - Monitoring & Security:** Prometheus, Grafana, SonarQube, AWS CloudTrail
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Certifications

- CREATIO DEVELOPER** (Issued 07/26/2022)
 - AWS Certified Solutions Architect Associate** (In Progress)
 - Certified Kubernetes Administrator** (In Progress)
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Interests

Enthusiastic about cloud security research, open-source contributions, gaming, indie music, and trekking. Active participant in tech communities and hackathons, constantly exploring emerging technologies in distributed systems and serverless architecture.