

KAMAL NATH

kamalnath7171@gmail.com | Toronto, Canada

kamalnath.xyz | [LinkedIn](#) | [GitHub](#)

SUMMARY

Full-Stack Developer and DevOps Engineer with Linux expertise, designing, developing, and deploying scalable applications using Kotlin, Python, TypeScript, and JavaScript in Linux-based environments. Skilled in modern architecture patterns, CI/CD pipelines, cloud infrastructure (GCP Cloud Run, Proxmox), and container orchestration with Kubernetes. Focused on automation, monitoring, and best practices across Linux servers and cross-platform solutions.

EXPERIENCE

Syncore Medical Technologies

May 2025 – April 2026

Software Developer

- Designed and deployed production staging environment with Docker and GitHub Actions, reducing manual deployment time by 70% while optimizing CI/CD pipelines and automated testing.
- Developed and maintained scalable REST APIs with Python (FastAPI), providing secure, versioned endpoints for over 1,000 healthcare users.
- Created a robust PostgreSQL schema supporting 500,000+ FHIR-compliant medical records while improving data reliability and audit compliance.
- Collaborated with cross-functional teams to launch new React and TypeScript features, increasing user satisfaction and product adoption.

Santhigiri Ashram

May 2025 – Present

DevOps Engineer (Volunteer)

- Designed and maintained CI/CD pipeline for production API server using GitHub Actions, Docker, and DockerHub for container orchestration.
- Automated build, test, and deployment workflows, reducing manual deployment overhead and improving reliability across development and production environments.
- Managed Proxmox-based infrastructure with LXC containers for PostgreSQL database and k3s cluster for container orchestration and scaling.
- Configured and deployed GitHub Actions runners for distributed build and push operations to support multi-environment deployments.

PERSONAL PROJECTS

Panchangam API & Website

April 2026 – Present

Full-Stack Developer

- Architected and deployed a production Panchangam calendar API using FastAPI with comprehensive REST endpoints for calendar calculations and event data.
- Developed responsive frontend using React and TypeScript, hosted at panchangam.santhigiri.app.
- Deployed both API and frontend on Google Cloud Platform (Cloud Run) with automated CI/CD pipelines for seamless updates and zero-downtime deployments.
- Repository: [panchangam-api](#) (backend) and [panchangam-frontend](#) (frontend).

Homelab: High-Availability k3s Cluster

DevOps Engineer

- Designed and deployed a highly available k3s cluster on Proxmox VE, featuring 2 master nodes and 2 worker nodes for fault tolerance and scalability.
- Configured an external PostgreSQL database to centralize cluster state and ensure data consistency across nodes.
- Implemented persistent storage for applications using a TrueNAS server, enabling reliable data retention and backup.
- Deployed Prometheus and Grafana for real-time monitoring, logging, and visualization of cluster performance and resource usage.
- Automated deployment and scaling workflows using Docker, GitHub Actions, and CI/CD pipelines to streamline operations.

STRENGTHS AND EXPERTISE

Languages: Kotlin, Python, TypeScript, JavaScript

Android Development: MVVM, Kotlin Coroutines, Jetpack Compose, Koin, Ktor, Retrofit, Android SDK

Backend Development: Node.js, Express.js, FastAPI, RESTful APIs, JWT Authentication, PostgreSQL

Web Technologies: HTML, CSS, JavaScript, Tailwind, React, Vue, Next.js

DevOps: Docker, GitHub Actions, CI/CD, Git, K3s

Cloud Platforms: Google Cloud Platform (Cloud Run), Proxmox VE

Operating Systems: Linux (Primary), macOS, Windows

EDUCATION

PG Diploma in Mobile Application Development

May 2024 – Dec 2024

Georgian College

Barrie, ON, CA

PG Diploma in Big Data Analytics

May 2023 – Dec 2023

Georgian College

Barrie, ON, CA

Bachelors in Mathematics

June 2014 – March 2017

St. Alberts College

Kerala, IN