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Vinod Silva

Software Engineer | Cloud Operations Engineer

PROFILE

Software Engineer with 3+ years of experience facilitating cutting-edge engineering solutions with a wide range of e-commerce applications and technology skills. Proven ability to leverage full-stack knowledge and experience to build interactive and user-centred website designs to scale. Extensive expertise in large system architecture development, administration, network design, and configuration. An academic background in Mathematics, Physics, and ICT.

WORK EXPERIENCE

Ollcode (PVT) LTD / Colombo, Sri Lanka

Software Engineer | Sep. 2022 – Feb. 2024

- Deployed and managed cloud infrastructure on Google Cloud Platform (GCP), including Compute Engine, Kubernetes Engine, and Cloud Storage.
- Implemented security measures, including IAM policies, encryption, and network security configurations.
- Automated infrastructure deployment using Terraform and Google Cloud Deployment Manager.
- Designed and deployed a scalable rotating proxy solution using Squid Proxy on DigitalOcean Droplets.
- Automated the provisioning and configuration of Squid Proxy servers using Terraform.
- Implemented proxy rotation logic to distribute traffic and enhance anonymity and reliability.
- Utilized Docker for containerization to streamline the deployment and management of Squid Proxy servers.

Euidor (PVT) LTD / Colombo, Sri Lanka

Full-Stack Developer | Jan. 2022 – Aug. 2022

- Created e-commerce sites integrated with Stripe, and PayPal payment APIs.
- Implemented a multitenant subscription-based website builder for restaurant menu management.
- Designed and implemented custom REST APIs built in Nodejs and Express.
- Integrated Adobe APIs and SDK to leverage Adobe services.
- Developed and maintained CI/CD pipelines using Jenkins and GitLab CI/CD
- Provided leadership as a subject matter expert (SME) on hosting issues, client and staff logins, and general upgrades/maintenance of servers.
- Designed and implemented a 3D website using Three.js and Next.js and Deployed it in GCP.

EDUCATION

MSc in Software Engineering

Kingston University | Feb 2024 – Feb 2025

BSc in Computer Science

University of Sri Jaywardenepura | May 2019 – May 2023

De Mazenod College

Physical Science Stream with ICT | Aug 2018

Skills

Automation and Scripting (Python, Bash) | Cloud Infrastructure Management (Google Cloud Platform, AWS) | Infrastructure as Code (Terraform, Deployment Manager) | Containerization and Orchestration (Docker, Kubernetes) | Full-stack Web Development | Agile Methodologies | Version Control Systems | Network Security: Firewalls, VPNs, SSL/TLS.