Daniel Adamlu

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Summary

Passionate about DevOps, Cloud Infrastructure, and Network Administration, I thrive in designing and managing scalable, high-availability systems. While pursuing my undergraduate studies, I took on the role of Network Administrator at the Software Laboratory Center (SLC), where I manage Kubernetes clusters, server infrastructure, networking, and automation workflows to optimize system efficiency.

Technical Skills

Languages: JavaScript, TypeScript, Python, Java, C#, Kotlin, Go, PHP, C, SQL
Frameworks: .NET Core, Laravel, Gin, Node, Express, Flask, React
Technology: Git, Docker, Kubernetes, Terraform, MySQL, PostgreSQL, Firebase

Experience

Network Administration and Technical Support Staff   *West Jakarta*
Software Laboratory Center, BINUS University   *Feb 2025 - Present*

- Documented the organization's network topology (Even 2024/2025) using network discovery protocols: CDP and LLDP.
- Implemented CI/CD Pipelines using GitHub Actions and Flux CD to automate code integration and Kubernetes deployment.
- Migrated applications from a Docker-based environment, utilizing Docker and Nginx, to a fully developed Kubernetes cluster.

PPTI Teaching Assistant (Data Structures)   *Sentul City*
BCA Learning Institute   *Jan 2024 - May 2024*

- Taught the Data Structures course for students of *Program Pendidikan Teknik Informatika* (PPTI) BCA

Junior Laboratory Assistant   *West Jakarta*
Software Laboratory Center, BINUS University   *Sep 2023 - Jan 2025*

- Conducted practicum sessions, guiding students through technical concepts and real-world applications.
- Completed *Tes Progresif Asisten* (TPA), a self-development project for first year assistants.
- Contributed to assistant training by creating the System & Network Administration Case for new recruits, including a full-stack web app with React TypeScript & Laravel, Docker Swarm orchestration, HAProxy load balancing, and MikroTik network configuration.
- Revamped "New RESMAN", a Resource Management tool used to manage assistants' data in the Software Laboratory using React and .NET Core 8.

Education

BINUS University   *West Jakarta*
Bachelor of Computer Science   *Sept 2022 – Present*

- **GPA:** 3.86/4.0
- **Specialization:** Software Engineering

Achievements

Best Performing Assistant Diploma - Even 2023/2024 *Aug 2024*

Awarded the Diploma of Best Performing Assistant among 20 other candidates, recognized having one of the best performance and contributions as a Software Laboratory Assistant.