

Devan Ferrel

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SUMMARY

Have developed various applications with Golang, Laravel, React, Jetpack Compose and very familiar with Linux, Docker, K8S, Database Design, Ansible, Bash Scripting, Grafana, Object Oriented Programming. Have passionate in backend development, web development and database administrator. Have hobby of solving puzzles like programming problems through competitive programming websites, and playing chess.

EDUCATION

University of Brawijaya

Bachelor of Information Technology
Faculty of Computer Science
Cumulative GPA : 3.79

Ongoing

WORK ACTIVITIES

SwiftX Solutions Pte Ltd, Software Developer

Dec 2024 – Now

Developed applications with ASP.NET and deploy the application to AWS EKS cluster.

HOLOGY UB, Lead Backend Developer

Mei 2024 – Dec 2024

Led a team of backend developers to develop backend application that handle up to 2700 concurrent users with Golang, Gin, GORM and PostgreSQL. Defined system requirements, usecase scenario and database design. Created unit tests with Go STL and integration tests with Postman. Configured CI/CD pipelines with GitHub Workflow. Integrated Grafana and Prometheus with docker compose to monitor vps metrics and docker containers.

BCC FILKOM UB, Head of Competitive Programming Division.

Jan 2024 – Dec 2024

Host 5 workshops about competitive programming and docker. Setup DOMJudge on a VPS with Ansible, Docker and Bash Script. Created problemsets and testcases with C++, python and bash script. Volunteer as a speaker that taught 100 students about basic programming with Java. Led 17 staff members within the department. Became a vice head of CodEx 2024 organizing 2 workshops attended by 80 people.

TEDxUniversitasBrawijaya, Backend Developer

Nov 2024 – Now

Develop the backend application with Golang, Echo, Sqlx and PostgreSQL. Setup a K3S cluster for backend deployment and database stateful application. Implemented CI/CD pipelines with GitHub Workflow. Integrated Grafana and Loki to monitor real time metrics and logs.

Google Developer Groups on Campus, Cloud Development Mentor

Nov 2024 – Now

Design curriculum and created modules for study materials about cloud with vitepress. Became a speaker to taught about docker compose in informal study jam

FILKOM UB, Laboratory Assistant

Feb 2024 – Dec 2024

Taught 150 students about object oriented programming using Java, operating system with Linux, virtual machine and C language, computer networking with packet tracer, web programming with PHP, Laravel and digital instructional environment with Moodle and AR. Evaluate and grade student's practicum assignment.

PROJECTS

[TemuRuang](#)

A digital platform designed to simplify event planning by enabling users to search for and book event spaces. Developed with React, Typescript for the frontend and .NET, C#, EF Core for the backend. Containerized with docker and orchestrated with docker compose for streamlined deployment.

[Geomatruiz](#)

Mobile application aimed to enhance student's understanding domain knowledge of geometry. Developed the application with Jetpack Compose as the frontend and NextJS as the content management system and backend.

[TELS](#)

Online e-course platform project that offers many materials for vocational school students. Developed with Laravel, Tailwind, Bootstrap, Firebase Storage and MariaDB. Designed the application database, developed the application with user dashboard and admin dashboard, and deployed to a hosting service

[Litecartes](#)

Mobile application aimed to improve literacy, reading interest and critical thinking. Made with tech stack React Native, Golang, Firebase Authentication and Gemini AI. Developed the backend of the application with golang, made simple CMS with react and tailwind and deployed the application to AWS EC2

[Nosudes](#)

Website contains information about tourist attractions and events in North Sumatra. Build with react for client side by my teammate and Golang for server side by myself. Deployed the backend application on AWS EC2

[FILKOM Canteen](#)

A digital platform designed to streamline the dining experience. Built with Golang for the backend API and PHP for the authentication service. The system manages user authentication, menu management, and order processing. Containerized with docker and compose to ensure smooth deployment