Putra Setyonugroho

Backend Engineer & System Administrator

North Jakarta, DKI Jakarta

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Summary

A dedicated Software Engineering student with a strong passion for backend development, system administration, and IT Infrastructure. Possesses practical experience in linux server administrator, automation tools, amd implementing best practice for building scalable backend systems. Actively developing personal projects in a devops environment, applying principle such as clean architecture, repository patterns, and unit testing. Seeking an internship opportunity as a Backend or Devops Engineer to apply technical knowledge and contribute to the company's IT operation.

Experience

Fullstack & Devops Engineer   *Aug 2024 – Jan 2025*
MPSOnline – Manajemen Persekolahan Online, Malaysia

- *Designing and building a school management system with 9 separate services, 5 databases (MySQL), and 2 frontend applications.*
- Implementing a microservice architecture: authentication, teacher management, academic management, payment integration, and notifications.
- Integration with an AI-based recommendation engine for academic management.
- Connected to a payment gateway (RazorPay) for application payments.
- Implementation of complex CRUD operations along with handling data relationships.
- Contributions to deployment, Cloud Hosting Management, and CI/CD.

Backend Engineer   *Jan 2025 — Jun 2025*
Clinico – Aplikasi Klinik Online, Malaysia

- Platform for consultation and clinic management: online appointments, centered consultation via website, and digital payments.
- Interactive dashboard for 4 user roles: superadmin, doctor, patient, and staff.
- Health calculation features (BMI, calories, etc.) and nearby clinic search using geolocation.
- Integration with secure login and user notification systems.
- Designed with layered architecture, role-based authorization, and endpoint security (JWT, middleware).

Backend & DevOps Lead   *Jun 2025 — Aug 2025*
Diagnify – AI Symptom Checker, Indonesia

- Designing and building a microservices architecture with 2 backend services and 1 React frontend.
- Using Docker for containerization and Docker Compose for local orchestration.
- Deploying to a VPS (Linux) with Nginx reverse proxy setup.
- Managing subdomains with SSL/TLS using Let's Encrypt.
- Setting up a simple CI/CD pipeline using GitHub Actions.
- Handling CORS errors, routing, and environment configurations separately (development and production).

Education

D4, Teknologi Rekayasa Perangkat Lunak, Bogor, 2024
Bogor Agricultural University
- Actively developing interests in DevOps, System Administration, and Backend Engineering.
- Participating in practical projects, team collaborations, and microservice-based system development.
- Participating in technology competitions and bootcamps as part of career development.

Rekayasa Perangkat Lunak, Jakarta, 2021 — 2024
SMK Negeri 12 Jakarta
- Head of the IT Club extracurricular activity, leading web development learning activities.

- Teaching club members about HTML, CSS, JavaScript, and backend basics with PHP.
- Actively participating in skill competitions and successfully winning various city and provincial level awards.
- Selected as The Smartest Student upon graduation.

Skills

- **Programming Languages**: Golang, Javascript, Typescript, PHP Python
- **Backend:** Laravel, Gin, NestJS
- **Frontend:** React, Vue, Svelte
- **Database**: PostgreSQL, MySQL, MongoDB, Redis
- **DevOps**: Docker, Github Actions, Nginx, Grafana, ELK Stack
- **Version Control**: Github, Gitlab

Achievements

- **1st Place** – Student Competency Competition, City Level 2022 (Kemendikbud)
- **Consolation 1st Place** – Student Competency Competition, Provincial Level 2022 (Kemendikbud)
- **1st Place** – Student Competency Competition, City Level 2023 (Kemendikbud)
- **3rd Place** – Student Competency Competition, Provincial Level 2023 (Kemendikbud)
- **Best Category (Technology Innovation)** – Satuasa Student Award 2022
- **3rd Place** – Governor's Cup, Satuasa Student Award 2022
- **Top 5 Finalist** – Competitive Programming 2024 (Agriinformatic)
- **3rd Place** – Programming Competition 2024 (Universitas Lampung)

Social Links

- **LinkedIn**: linkedin.com/in/putrasetyo
- **Github**: github.com/putrastyo