RETRYANZANI DWI FAUZAN

DevOps and Software Engineer

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SUMMARY

Motivated DevOps and software engineer specializing in CI/CD automation, infrastructure monitoring, and containerized deployment on enterprise on-premise servers. Demonstrated expertise in pipeline security, observability stacks, and full-stack product development. Two products registered as national software copyrights, one awarded medals at PIMNAS 2025. Passionate about shipping fast, keeping systems stable, and solving what matters.

EXPERIENCE

PT Neural Technologies Indonesia - Jakarta, Indonesia

DevOps Engineer · Contract · Remote · (Jan 2026 - Feb 2026)

- Integrated Sentry into the enterprise Odoo 18 platform so the team could catch errors in real time instead of waiting for user reports.
- Diagnosed and fixed broken CI/CD pipelines on the Odoo 18 environment to keep deployments running reliably.
- Set up Portainer so the operations team could manage all Docker containers from a single dashboard.
- Skills: Docker, Portainer, Sentry, CI/CD, Odoo 18, Linux

DevOps Engineer · Contract · Hybrid · (Jun 2025 - Oct 2025)

- Built a Single Sign-On proof of concept with OpenLDAP to centralize SSH user provisioning and access control across the DevOps environment.
- Built CI/CD pipelines in Jenkins with automated vulnerability scanning through Trivy and SonarQube, Telegram bot alerts for scan reports, and HashiCorp Vault for secrets management.
- Set up monitoring for NGINX and PostgreSQL clusters using Prometheus, Grafana, and Loki, including custom log severity levels and SSL certificate expiry tracking.
- Tracked resource usage across all VMs on the company's on-premise rack servers to identify waste and capacity issues.
- Deployed HuggingFace AI models and the NOVA chatbot on a multi-worker Kubernetes cluster and containerized Docker setups.
- Automated Nextcloud user onboarding and offboarding with n8n, and documented infrastructure topology and workflows to ISO 9001:2015 standards.
- Skills: Jenkins, Docker, Kubernetes, Prometheus, Grafana, Loki, Trivy, SonarQube, HashiCorp Vault, OpenLDAP, n8n, PostgreSQL, NGINX, Linux

POLITEKNIK NEGERI BANDUNG

Lead DevOps & Backend Engineer · Government-Funded Project (PKM) · (Jul 2025 - Current)
Lawan PMO — mobile self-regulation ecosystem

- Designed and built the backend with NestJS to handle secure data streaming and self-regulation tracking for thousands of active users.
- Set up GitHub Actions pipelines for automated, zero-downtime rolling deploys to production Linux servers.
- Added Grafana monitoring to trace API response times, error distribution rates, and server memory usage.
- Achievements: Bronze Medal (Presentation) & Silver Medal (Poster), PIMNAS 2025; National Software Copyright EC002025157155.
- Skills: NestJS, TypeScript, Node.js, PostgreSQL, GitHub Actions, Docker, Grafana, Linux

Full-Stack Engineer · Government-Funded Project (Pengabdian Kepada Masyarakat) · (Mar 2025 - Jul 2025)
Dasawisma Sariwangi — rural demographic dashboard

- Built a production dashboard with Next.js 15 (App Router), TypeScript, and Tailwind CSS using server-side rendering.
- Integrated Firebase for real-time data persistence and multi-role authentication, so each user type only sees what they should.
- Built client-side reporting with ExcelJS and ReCharts so village staff could export reports themselves instead of compiling them by hand.
- Achievements: National Software Copyright EC002025104608.
- Skills: Next.js, React, TypeScript, Tailwind CSS, Firebase Firestore, ExcelJS, ReCharts

Full-Stack Developer · Government-Funded Project (Pengabdian Kepada Masyarakat) · (Apr 2024 - Dec 2024)
SMKN 1 CISARUA — Institutional web portal & CMS

- Built a school web portal with a custom CMS on CodeIgniter 4 (PHP 8.1) and MySQL so 15+ staff could publish content without a developer.

- Wrote black-box and integration tests with PHPUnit to keep the codebase modular and maintainable.
- Delivered complete technical documentation and a user manual for the institution.
- Skills: PHP, CodeIgniter 4, MySQL, PHPUnit, Bootstrap, jQuery

EDUCATION

Politeknik Negeri Bandung (POLBAN)
Bandung, Indonesia · Aug 2022 - Aug 2026
Bachelor of Applied Science (D4) - Informatics Engineering
GPA : 3.25
- Core Coursework: Distributed Systems, Software Architecture, Data Structures & Algorithms, Advanced Database Systems, Computer Networks & Communications, Project Management.
- Honors: National Finalist & Bronze Medalist at PIMNAS 2025; dual-year PKM Vokasi funding recipient (2024 & 2025); National Finalist, MTQMN XVII Computer Application Design (DAQ) 2023.

SELECTED PROJECTS & INTELLECTUAL PROPERTY

Lawan PMO : Mobile Self-Regulation Ecosystem
Lead DevOps & Backend Engineer · 2025 - Featured
Scalable NestJS backend powering a mobile self-regulation ecosystem for thousands of active users, based on a preventive–interventive model.
Technical :
- Backend Architecture: Conceptualized and architected a modular, highly secure backend infrastructure using NestJS to handle secure data streaming and self-regulation monitoring features for thousands of active users.
- Automated Deployment: Implemented comprehensive Git-driven deployment pipelines via GitHub Actions, establishing seamless automated workflows and zero-downtime rolling updates on production Linux servers.
- Telemetry Setup: Configured comprehensive monitoring sidecars using Grafana to trace live API response metrics, error distribution rates, and server memory footprints.
- National Recognition: Secured a National Software Copyright and awarded the Bronze Medal in the Presentation Category and Silver Medal in the Poster Category at PIMNAS 2025 for technical innovation and engineering excellence.
- Legal Validation: Granted an official National Software Copyright as an authorized enterprise computer program.

Achievements :
- 3rd Bronze Medal - PIMNAS 2025 (Presentation Category)
- 2nd Silver Medal - PIMNAS 2025 (Poster Category)
- National Software Copyright - Ref. EC002025157155 (issued Oct 17, 2025)

Sistem Manajemen Dasawisma Sariwangi : Rural Demographic Dashboard
Full-Stack Software Engineer · 2025
SSR-optimized dashboard with real-time data and multi-role authentication for rural demographic management.
Technical :
- Full-Stack Engineering: Developed a comprehensive, production-ready rural demographic dashboard utilizing Next.js 15 (App Router), TypeScript, and Tailwind CSS, utilizing Server-Side Rendering (SSR).
- Cloud & State Management: Integrated serverless infrastructure via Firebase for robust real-time data persistence, reactive query handling, and secure multi-role user authentication protocols.
- Data Engineering: Constructed advanced client-side data reporting pipelines using ExcelJS and ReCharts, automating complex data visualization and decreasing rural reporting administration turnaround.
- Legal Validation: Granted an official National Software Copyright as an authorized enterprise computer program.

Achievements :
- National Software Copyright : Ref. EC002025104608 (issued Aug 4, 2025)

SMKN 1 Cisarua Portal : Institutional Web Portal & CMS
Full-Stack Developer · 2024
Custom CMS portal for academic information serving 15+ institutional users with enterprise-grade security.
Technical :
- Enterprise full-stack portal and custom CMS built on CodeIgniter 4 (PHP 8.1) and MySQL, enabling autonomous public content administration.
- Formal test-case frameworks with black-box and integration unit testing via PHPUnit to guarantee modularity and maintainability.
- Complete technical documentation and user manual for the institution.

TECHNICAL SKILLS

- DevOps & Infrastructure
  Docker & Kubernetes · Jenkins & GitHub Actions · Prometheus & Grafana · SonarQube & Trivy · Loki & HashiCorp Vault · Linux Server Setup · CI/CD Architecture · AWS & GCP
- Backend Engineering
  NestJS · Next.js (Server Components) · Express.js · CodeIgniter 4 · Node.js · PHP · Python · Java · C/C++
- Frontend & UI
  React · TypeScript · JavaScript · Tailwind CSS · Bootstrap · jQuery · Figma · Responsive Design
- Database & Analytics
  MySQL · MongoDB · Firebase Firestore · PostgreSQL · Database Design · ERD / BPMN · Data Modeling

HONORS & AWARDS

- Bronze Medalist - Presentation Category (PKM-KI), PIMNAS 2025 - awarded at Pekan Ilmiah Mahasiswa Nasional (PIMNAS) 2025.
- National Finalist - PKM-KI, PIMNAS 2025 - selected as a national finalist at the highest-level student scientific competition in Indonesia.
- PKM Vokasi Funding Recipient - 2025 - accepted for funding under the PKM Vokasi scheme.
- PKM Vokasi Funding Recipient - 2024 - accepted for funding under the PKM Vokasi scheme.
- Finalist - Musabaqah Desain Aplikasi Komputer Al-Qur'an (MTQMN XVII), 2023 - national finalist in the computer application design category.

SOFTWARE COPYRIGHTS

Officially registered with the Directorate General of Intellectual Property (DJKI), Ministry of Law & Human Rights.

- Lawan PMO - Ref. EC002025157155 (issued Oct 17, 2025) - registered national software copyright for the Lawan PMO mobile application.
- Dasawisma Sariwangi - Ref. EC002025104608 (issued Aug 4, 2025) - registered national software copyright for the Dasawisma Sariwangi management system.

CERTIFICATIONS

- Google Cloud Computing Foundations Certificate - Google (May 2026) - https://bit.ly/retryanzani-GoogleCloudComputingFoundationsCertificate
- AWS Certified Cloud Practitioner - Amazon Web Services (Dec 2025 • Expires Dec 2028) - https://bit.ly/retryanzani-AWSCertifiedCloudPractitioner
- Junior Backend Spring Boot Developer - Arutala Lab (Jul 2026 • Expires Jul 2029) - https://bit.ly/retryanzani-JuniorBackendSpringBootDeveloper
- AWS re/Start Graduate - Amazon Web Services (Oct 2025) - https://bit.ly/4wQB6Gk
- Belajar Dasar AI - Dicoding Indonesia (Oct 2025 • Expires Oct 2028)
- Introduction to Generative AI - Training Badge - AWS Educate (Jul 2025)
- Belajar Dasar Visualisasi Data - Dicoding Indonesia (Apr 2025 • Expires Apr 2028)
- Memulai Pemrograman dengan Python - Dicoding Indonesia (Apr 2025 • Expires Apr 2028)
- MongoDB and the Document Model - MongoDB (Feb 2024)
- Data Communication and Network Technology - Huawei (Dec 2023)
- Algorithms and Basic Programming class - CODEPOLITAN (Dec 2023 • Expires Dec 2026)

LANGUAGES

- Indonesian - Native
- English (TOEIC Listening & Reading: 855 (May 2026))