Wildan Fajar Maulana

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Full-Stack Web Developer with 3+ years of experience building enterprise web applications end to end, from database schema and REST APIs to server-rendered frontends. Core stack: NextJS, NestJS, TypeScript, Prisma, PostgreSQL, and Remix/React, and Laravel, with hands-on experience integrating applications with SAP ERP.

Experience

Full-Stack Web Developer (Contract) | PT. Elnusa Petrofin — Cash Flow Management, Indonesia

Apr 2023 - Present

- Built 7 internal applications (Earmark Fund, Central Cash Card, Cashflow Streams, Location-based CMPR, Central CMPR, Location-based Budget Management, and Smart Card) using NestJS, Prisma, and PostgreSQL on the backend and Next.js/Remix (React, TypeScript) on the frontend.
- Designed a configuration-driven, multi-level approval engine with nominal threshold tiers, single and bulk actions (receive, approve, reject), resubmission, and audit trails, allowing approval workflows to change without code deployments.
- Integrated applications with SAP ERP (budget availability checks, invoice parking/posting, journal entries, cost centers, internal orders, and master data synchronization), as well as LDAP, MinIO, Kafka, and Elastic APM.
- Automated reporting and documentation, including Excel exports (ExcelJS/SheetJS) with server-side data, QR-code payment generation, PDF creation, and tracking dashboards.
- Ensured code quality and security through Role-Based Access Control (RBAC), Zod validation, atomic Prisma transactions, Kafka-based email notifications, and refactoring aligned with SonarQube standards.

Junior Web Full-Stack Developer (Intern) | iCube by SIRCLO, Indonesia

Apr 2022 - Sep 2022

- Developed e-commerce features on Magento (PHP) and Next.js progressive web apps for high-traffic retail platforms.
- Resolved customer-facing defects and optimized page load performance within an agile sprint team.

Junior Web Backend Developer (Intern) | PT. Prima Cipta Tech, Indonesia

Apr 2021 - Mar 2022

- Built REST APIs and a normalized MySQL schema for a university web-based voting application covering ballot casting, voter verification, and vote tallying.
- Integrated the institution's academic information system REST/JSON API via cURL for student credential validation, with a database-backed fallback login path.
- Supported small maintenance tasks on a live production application, including minor bug fixes, UI adjustments, and data corrections, under the guidance of senior developers.

Projects

Cash Management & Payment Request Platform | NestJS, Prisma, PostgreSQL, Remix, React, Kafka, SAP ERP

- Built the NestJS + Prisma/PostgreSQL backend and Remix (React SSR) frontend for an internal cash-tracking platform covering cash-in import, status tracking, master data, and role-based access control.
- Implemented the payment-request and expense-accountability lifecycle (draft, submit, tiered approve/reject, schedule, complete-paid, return) with amount-limit tiers, batch approval, and per-step SLA tracking.

Smart Card Balance & Approval Platform | NestJS, Prisma, PostgreSQL, Remix, React, MinIO

- Built the Smart Card balance-movement module in NestJS + Prisma/PostgreSQL, exposing 24 REST endpoints for report creation, single/bulk receive-approve-reject, tracking, resubmission, and Excel/print output.
- Designed a config-driven multi-level approval state machine keyed by payment type, group, and department, so approval routing changes through database configuration rather than code.
- Implemented an atomic document-number reservation counter with a collision-retry loop inside one Prisma transaction, keeping numbering unique under concurrent submissions.

Cash Card, Budget & Earmark Fund Management | NestJS, Prisma, PostgreSQL, SAP REST, Next.js, React

- Built the end-to-end cash-card reimbursement flow (create, draft, resubmit, edit, delete) with supporting-document checklists, balance tracking, and refund handling, and a configurable approval engine with single/bulk receive-approve-reject, rejection re-sequencing, and per-document approval history.
- Integrated SAP REST for budget-availability checks and FI invoice parking/posting with request/response history and error capture, plus QR-code payment printouts, PDF generation, and Excel reconciliation exports.
- Designed location-level budget switch/revision and earmark-fund workflows (draft, submit, resubmit, edit, delete) with GL-account/cost-center component breakdown, ticket-number generation, and Highcharts tracking dashboards.

NLP & SVM Transaction Classification | Python, scikit-learn, TF-IDF, Sastrawi — Undergraduate Thesis

- Built an end-to-end machine-learning pipeline following CRISP-DM to classify free-text transaction descriptions into multiple categories using a real-world dataset.
- Applied Sastrawi for Indonesian preprocessing (tokenization, stopword removal, stemming) and TF-IDF feature extraction with an SVM linear-kernel classifier.

MauCafe — Cafe Ordering & E-Wallet Platform | PHP, CodeIgniter 4, MySQL, Socket.IO

- Built a three-role cafe ordering platform with an in-app e-wallet (top-up, transfers, audit ledger) and real-time chat via Socket.IO.
- Implemented PIN-gated payment and transfer flows and server-side paginated CRUD back-office screens for menu and account management.

Portfolio Website & AWS Deployment | Next.js, React, TypeScript, AWS S3, CloudFront (OAC), CI/CD

- Built a responsive portfolio site (Next.js, TypeScript, Tailwind CSS) with dark/light theming and project modals, deployed on AWS via S3 + CloudFront (OAC) with CI/CD.

Technical Skills

- **Programming Languages:** TypeScript, JavaScript, PHP, Python, SQL, Go.
- **Backend & Frameworks:** NestJS, Node.js, Express.js, Prisma ORM, REST APIs, Swagger, Laravel, Filament, CodeIgniter.
- **Frontend:** React.js, Next.js, Remix.js, Tailwind CSS, Ant Design, Redux-Saga, Redux-Toolkit, Bootstrap, jQuery.
- **Database & Data Storage:** PostgreSQL, MySQL, Prisma ORM, Elasticsearch , Kafka (KafkaJS), MinIO.
- **Integration & Security:** SAP ERP/REST, JWT & RBAC, LDAP.
- **Tools, Testing & Cloud:** Git, Docker, Jest, SonarQube, Elastic APM, AWS (EC2, VPC, S3, CloudFront, CI/CD, Etc).
- **Machine Learning & NLP:** Python, scikit-learn, SVM, TF-IDF, Sastrawi, CRISP-DM.
- **Languages (Spoken):** Indonesian (Native), English (Intermediate reading/writing, basic speaking).

Education

Universitas Siber Asia (Asia Cyber University) - Remote

Bachelor of Informatics (S1 Informatika) — Full Scholarship (Beasiswa Semesta)

Aug 2022 - Sep 2026

- **Thesis:** Classification of Internal Financial Transaction Categories Based on Natural Language Processing (NLP) Using the Support Vector Machine (SVM) Algorithm (CRISP-DM). Thesis defense passed Sep 2026.

SMK Negeri 4 Malang

Vocational High School Diploma in Software Engineering

Sep 2019 - Sep 2022

Certifications & Awards

- **Amazon Web Services Training and Certification** | AWS re/Start Graduate – Sep 2026
- **Google for Education** | Gemini Academy for Higher Education — Certified Student (24 JP) – Jul 2026
- **Sanbercode** | Special Bootcamp Full-Stack JavaScript – Feb 2023
- **PT. Sentra Vidya Utama (SEVIMA)** | 9th Place, Programmer — SEMESTA 2022 Full Scholarship – Jul 2022
- **Dicoding Indonesia** | IDCamp 2022 React Developer Scholarship – 2022