

Adil Saputra Duha

Padang, Sumatera Barat, Indonesia

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Senior Software Engineer with 5+ years of experience building and scaling reliable, production-grade systems across retail and beauty & wellness SaaS environments, including systems integrated with enterprise ERP platforms such as SAP. Deep expertise in REST API design, real-time data systems using WebSocket, and cloud infrastructure (GCP, AWS), with hands-on experience across the full stack from backend services to frontend slicing. Track record of cutting company costs by 20% and reducing bugs and downtime by 20%.

CORE COMPETENCIES

- Languages: PHP, JavaScript, TypeScript, C++, Go
- Backend: Node.js, Express.js, Laravel, RabbitMQ, GoFiber
- Frontend: Angular, React.js, Next.js, React Native, Tailwind CSS, Bootstrap
- Database & Tools: MySQL, PostgreSQL, MongoDB, Firebase, Git, Figma
- Cloud & Infrastructure: Google Cloud Platform, AWS, Docker, CI/CD Pipelines

PROFESSIONAL EXPERIENCE

PT. Unico Sentral Distribusi *Onsite, Padang, Indonesia*

Senior Software Engineer

Jan 2025 – Present

- Coordinated closely with the IT Manager on technical direction, project priorities, and delivery timelines.
- Reviewed and approved pull requests on GitHub, ensuring code quality, consistency, and adherence to best practices across the team.
- Collected and processed feedback and feature requests from end users, translating them into actionable technical improvements.
- Built real-time features using WebSocket to support live data updates and improve user experience.
- Integrated WhatsApp, Facebook Messenger, Instagram DM, and TikTok APIs to enable omnichannel messaging and customer engagement.
- Continuously improved application performance and reliability through ongoing optimization and refactoring.
- Maintained version control best practices using Git, ensuring smooth collaboration across the development team.
- Reduced AWS S3 storage costs by 20% through improved storage management and optimization strategies.
- Deployed and managed applications using Docker and CI/CD pipelines, streamlining build, test, and deployment workflows.
- Built analytics and reporting dashboards - including sales, payment, and logistics summaries - providing management with actionable insights for data-driven decision-making.
- Collaborated with cross-functional teams, including marketing and purchasing, to align technical solutions with business needs and improve overall operational efficiency.

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Software Engineer

Sep 2022 – Jan 2025

- Developed and maintained core system functionalities under the guidance of the Senior Software Engineer, ensuring alignment with technical and business requirements.
- Wrote, reviewed, and optimized clean, maintainable code to deliver reliable and efficient software features.
- Designed and built reusable components, improving scalability and long-term maintainability of the codebase.
- Translated UI/UX designs from Figma into responsive, pixel-perfect front-end interfaces.
- Built and maintained RESTful APIs to support core application functionality and seamless data exchange.
- Diagnosed and resolved software issues through systematic troubleshooting and debugging, improving system reliability.
- Delivered fully responsive application views, ensuring consistent user experience across devices and screen sizes.
- Implemented a message broker (RabbitMQ) to handle asynchronous order processing, ensuring reliable and fault-tolerant data synchronization with SAP Business One (SAP Business One).
- Integrated Google Cloud Platform services, including Google Maps/Places API for customer address search and Google OAuth for secure account authentication.
- Deployed and configured Angular applications on AWS S3 for static web hosting, ensuring reliable delivery and simplified release management.

- Collaborated closely with the Project Manager to translate business requirements into technical specifications and deliverables.
- Added new features and enhancements to existing applications and websites.
- Built RESTful APIs to support application functionality and data integration.
- Identified and fixed bugs to improve application stability and performance.
- Translated UI/UX designs from Figma into functional front-end interfaces.
- Developed responsive website views to ensure consistent user experience across devices.
- Developed mobile applications using React Native, integrated with Firebase push notifications to improve user engagement.
- Built an email-based approval workflow for a ticketing application, streamlining the request and approval process.

- Developed a mobile application for online tax checking, enabling users to verify tax information conveniently.
- Connected the application to Bapenda's tax data using an Oracle database, ensuring accurate and real-time tax information retrieval.
- Built a mobile-based blog application for a government agency to support public information dissemination.
- Built RESTful APIs to support application functionality and data integration.
- Deploy the application to the Bapenda (Regional Revenue Agency) server for production use using PM2.

- Developed company profile websites tailored to client branding and business needs.
- Built a SaaS platform for a beauty clinic, supporting appointment booking and customer management.
- Integrated payment gateway services to enable secure and seamless online transactions.
- Implemented Google Cloud Platform services, including Google Maps for location-based features and Google OAuth for secure authentication.

EDUCATION

GPA: 3.95. Completed professional development in Information Systems.

LANGUAGES

- Bahasa Indonesia (native), English (limited working proficiency)

CERTIFICATIONS

- Dicoding Indonesia – Prompt Engineering untuk Software Developer – completed March 2026
- Sololearn – Angular – completed March 2026
- Dicoding Indonesia – Belajar Dasar AI – completed March 2026
- Sololearn – Prompt Engineering – completed Feb 2026
- Dicoding Indonesia – Belajar Dasar Manajemen Proyek – completed March 2026
- Sololearn – Javascript – completed Feb 2026
- Dicoding Indonesia – Belajar Back-End Pemula dengan JavaScript – completed Feb 2026
- Xcode (PT. Teknologi Server Indonesia) - Reverse Proxy dan Proxmox untuk Menggunakan Layanan VPS – completed Feb 2024
- Dicoding Indonesia – Belajar Dasar Pemrograman JavaScript – completed Jan 2023
- Dicoding Indonesia – Cloud Practitioner Essentials (Belajar Dasar AWS Cloud) – completed Dec 2022
- Sololearn – Java – completed Dec 2019
- Sololearn – SQL – completed Dec 2019
- Oracle – Java Fundamentals and Java Programming – completed Nov 2019