

NADA HASNI MUHAMMAD

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Software Engineer with 3+ years of experience delivering high-impact web and mobile applications for global companies, SMEs, and government agencies. Proven track record in 20+ successful app launches, specializing in scalable, high-quality digital solutions. Skilled at collaborating with cross-functional teams to turn ideas into efficient, user-focused systems.

WORK EXPERIENCE

Fullstack Developer – PT. EDI Indonesia

Sep 2024 – Present | Vendor at LNSW – Ministry of Finance, Indonesia

- Modernized and optimized key national web services — migrated UMKM Portal from Create React App to Vite, Refactored legacy components, and implemented automated code quality checks. Achieved 40% faster build times, improved SonarQube rating from E to A, and secured #1 Google ranking for “UMKM Kemenkeu.”
- Enhanced reliability and maintainability of critical government systems — refactor WebformKL legacy components, eliminated code duplication, and patched vulnerabilities, maintaining A-grade SonarQube compliance.
- Resolved nationwide port terminal bottlenecks — optimized Dwelling Time dashboard and rewrote SQL queries that caused database lockups. Improved scheduling logic, increasing stability and reducing crashes by 80%.
- Improved performance and compliance across multiple platforms — accelerated Analyzing Point service by 60% via query optimization, pagination, and indexing. Developed and maintained secure, regulation-compliant document tracking systems and delivered new INTR CMS modules, streamlining customs operations and resolving 15+ critical issues.

Frontend & Flutter Developer – PT Dafidea Technocraft

Jul 2022 – Sep 2024

- Delivered 40+ modules and features for **SEVA.ID (ASTRA Group)**, working with 10+ cross-functional teams to implement Atomic Design architecture. Contributed to 11+ successful production deployments, boosting scalability and reducing release cycles.

- Led frontend development of **SIER Sport Arena**, a Flutter-based sports booking app with Xendit payments and promotional logic — achieved 5K+ organic downloads and 100+ monthly bookings without paid advertising.
- Developed the **Futura** mobile app for Futura Energi Indonesia, implementing ticketing, asset tracking, and secure login to combat corruption in utility operations, enabling faster issue resolution and improved transparency in clean energy projects.

Jr. Fullstack Developer – Spaceton GO (via CloudThought LTD)

Oct 2022 – Feb 2023

- Modernized backend architecture by transitioning from a PHP monolith to Node.js + TypeScript microservices, modularizing business logic, and cutting backend response times by 25%.
- Pioneered automated testing by setting up the first Vitest-based unit test suite (75% coverage), creating a team-wide standard that reduced production bugs and improved CI/CD reliability.
- Enhanced security by configuring a centralized Vault server for secrets management and implementing an Apollo GraphQL backend, streamlining data delivery for thousands of MENA-region streaming users.

Flutter Developer – ORDO (Software House / IT Consultant)

Aug 2021 – Mar 2022

- Delivered 4+ cross-platform mobile apps from concept to production in 1–3 month cycles, integrating real-time chat (Firebase), video calls (Agora SDK), and GPS tracking — resulting in 50+ production features and strong client retention.
- Collaborated with UI/UX designers to create pixel-perfect Flutter UIs optimized for multiple device sizes, boosting UX and improving app store ratings.
- Implemented core mobile technologies — REST APIs, WebSockets, and push notifications — to ensure fast, engaging user interactions across transportation, communication, and utilities.

EDUCATION

Bachelor of Informatics Engineering – State Polytechnic of Jember

Jul 2022 – Dec 2023 | GPA: 3.90 / 4.00

- Built an internal certification system for students and administration, automating approval flows and document generation, significantly reducing manual workload.

Associate Degree in Informatics Management – State Polytechnic of Jember

Aug 2018 – Aug 2021 | GPA: 3.90 / 4.00

- **Awarded Best Student (2021)** for academic performance and project contributions.
- **1st Place** – EPIM Mobile App Competition for developing SCRUM APP, a team collaboration tool based on the Scrum framework.
- Contributed to a lecturer-led research project that led to a patent filing.

CERTIFICATIONS

- **Frontend Expert** – Dicoding Indonesia ([verify](#))
- **Backend Expert** – Dicoding Indonesia ([verify](#))
- **Cloud Practitioner Essentials** – Dicoding Indonesia ([verify](#))
- **EF SET English Certificate (C2 Proficient, 73/100)** – EF Standard English Test ([verify](#))
- **Additional Training:** MERN Stack Bootcamp, React Bootcamp, Basic DevOps, Flutter Basic, Android Basic, SOLID Principles, Basic Networking.

SKILLS & COMPETENCIES

- **Languages & Frameworks:** JavaScript, TypeScript, Dart, SQL, HTML/CSS, Node.js, Express.js, React.js, Next.js, Flutter, GraphQL, REST, Apollo Server, Laravel
- **Tools & Infrastructure:** Git, GitHub, GitLab, Postman, Firebase, Supabase, Xendit, Docker, WebSockets, Push Notifications
- **Databases:** PostgreSQL, MySQL, MongoDB, Supabase, Firebase Realtime DB & Firestore
- **Practices & Methodologies:** Agile/Scrum, Atomic Design, Modular Architecture, Unit Testing, Code Reviews, Refactoring, Performance Optimization, Clean Code
- **Soft Skills:** Cross-functional collaboration, problem-solving, debugging, clear communication (English – professional level; Indonesian – native)