

Rafida Aziz

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Full-Stack Software Engineer with 3+ years of experience shipping production web applications, with core strength in backend development. Extensive hands-on experience building data synchronization pipelines, complex business logic, and third-party integrations using NestJS, PostgreSQL, Kafka, and Elasticsearch. Accustomed to owning features end-to-end—from schema design and REST APIs to responsive UI (React/Remix) and automated unit testing.

Experience

Full-Stack Developer | PT. Elnusa Petrofin, Indonesia - Jakarta (remote)

Apr 2023 - Dec 2025

- Developed and maintained core backend services using NestJS, Prisma, and PostgreSQL, handling daily operational workloads and scheduled data pipelines across multiple fleet branches.
- Integrated Elasticsearch to index shipment tracking and driver performance data, significantly speeding up complex search filters and operational dashboard queries.
- Built and optimized API endpoints serving both SSR (Remix.js) and CSR (React/Next.js) frontends, ensuring fast load times and clean state handling.
- Implemented unit and integration tests using Jest for critical business workflows to prevent regression bugs in production releases.

Full-Stack Developer (Intern) | PT. Sekawan Media Informatika, Indonesia - Malang

Apr 2021 - Dec 2021

- Built fullstack modules for client web applications using PHP (CodeIgniter HMVC) and JavaScript, covering MVC controllers, database queries, and UI templates.
- Helped troubleshoot bugs, test features, and maintain existing code to keep applications running stably during development.

Projects

Fleet Management System | Nest JS, Remix JS, Typescript, Spring Boot, Java, ElasticSearch, Kafka

- Built the core logistics platform to oversee the entire shipment lifecycle, including Delivery Orders (LO), shipment tracking, and asset rentals.
- Created RESTful APIs to manage contract and billing workflows, ensuring data accuracy across the system.
- Worked with the product team to turn business rules into practical technical features.
- Performed continuous bug fixing, debugging, and performance optimization to handle large volume of logistic data efficiently.

Chemical Blending Management System | Nest JS, Next JS, Typescript

- Built a system to manage chemical production workflows, specifically tracking material stocks, expiration dates, BIC Calculations, and Blending Schedule Management.
- Handled the synchronization of large chemical datasets, accurately tracking material changes, updates, and real-time statuses across the system included through scheduled jobs.
- Connected the system with a third-party warehouse vendor to sync Goods Issue (GI) and Goods Receipt (GR) data based on SAP standards.
- Handled system maintenance, troubleshooting production issues, and implementing feature enhancements based on operational needs.

Maintenance Management System | Nest JS, Remix JS, Typescript, Laravel, PHP

- Developed an integrated system to manage vehicle and tire maintenance workflows, including the vulcanization processes.
- Implemented inventory management and sales tracking modules, synchronizing data across multiple operational units.
- Improved system stability through code refactoring, bug fixes, and routine maintenance.

Peduli Awak Mobil Tangki | Nest JS, Kafka, ElasticSearch, Remix Webapp, Typescript

- Handled backend tasks and data synchronization pipelines using NestJS to support driver welfare features.

- Developed APIs to monitor the daily performance of tank truck drivers, utilizing Elasticsearch for fast data retrieval regarding attendance, LO numbers, mileage, shipment numbers, and point history.
- Set up scheduled jobs using Kafka to sync driver metrics with the main Fleet Management System.
- Developed integrations with third-party vendor APIs, implementing resilient error handling to manage rate limits and mitigate frequent connection timeouts.

Pre-trip Check Application | *Laravel, PHP, Javascript*

- Created a dedicated digital platform to streamline mandatory pre-dispatch vehicle inspections, replacing manual and paper-based workflows.
- Focused on responsive UI/UX implementation to ensure ease of use for operational staff on the ground, strengthening safety and compliance.
- Supported backend integration and optimized API endpoints for faster data submission and retrieval in field operations.

Mulawarman University Budget System (Unmul Budget) | *CodeIgniter, PHP, Javascript*

- Built fullstack modules for planning, reviewing, and approving faculty budget allocations in compliance with university financial standards.
- Developed role-based access control (RBAC) and structured MVC controllers to securely manage approval workflows across departments.

MIND ID Internal Audit Monitoring System | *CodeIgniter, PHP, Javascript*

- Supported the fullstack development of an internal audit tracking tool for state-owned mining holding companies.
- Implemented audit trail logging and reliable data entry forms to ensure compliance and verifiable tracking records.

Timah Hackathon Dashboard | *CodeIgniter, PHP, Javascript*

- Built and deployed the official participant registration and event information portal for a national-level hackathon.
- Implemented responsive UI components and optimized frontend asset delivery to handle traffic spikes during peak registration periods.

Technical Skills

- **Programming Languages:** TypeScript, JavaScript, PHP, Python, Dart, Java, Kotlin, Golang, C++, C#, GDScript.
- **Backend & Frameworks:** NestJS, Node.js, Express.js, Laravel, CodeIgniter, Spring Boot, GraphQL, REST APIs.
- **Frontend & Mobile:** React.js, Next.js, Remix.js, Flutter, Tailwind CSS, Ant Design, HTML/CSS, jQuery.
- **Database & Data Storage:** PostgreSQL, MySQL, Prisma ORM, Elasticsearch, Apache Kafka, Redis, MinIO.
- **Tools, Testing & AI:** Git, Docker, AWS (Fundamentals), GCP (Basic), Jest, SonarQube, Claude Code, Antigravity CLI
- **Languages (Spoken):** Indonesian (Native), English (Professional Working)

Education

Asia Cyber University (Universitas Siber Asia) - Remote

Bachelor of Informatics (S1-PJJ Informatika)

2022 - Present

- **Thesis:** Comparative Analysis of Clustering Algorithms (FCM vs. GMM) for Dynamic Difficulty Adjustment.

SMK Negeri 4 Malang

Vocational High School Diploma in Software Engineering

Graduated: Sep 2022

Certifications & Awards

- **Hackathon Semesta Scholarship 2022 (PT. Sentra Vidya Utama)** | Top 10 Winner (Programmer) – Jul 2022
- **AWS x Dicoding Indonesia** | Cloud & Generative AI Fundamentals on AWS – Aug 2026
- **AWS x Dicoding Indonesia** | Spec-Driven Development & AI-Assisted Engineering – Aug 2026
- **Google For Education** | Gemini Certified Student – Jul 2026
- **Sanbercode** | Special Bootcamp Full Stack Javascript – Feb 2023
- **Hackerrank** | Problem Solving (Basic) – Oct 2022
- **Cisco Networking Academy** | CPA: Programming Essentials in C++ – Jan 2020
- **Dicoding Indonesia** | Javascript Programming – Des 2023
- **Dicoding Indonesia** | Dart Programming – Des 2024