Edwaldo Utama

Software Engineer
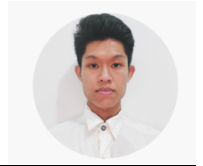
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I'm a forward-thinking Software Engineer with more than 6 year track record of blending innovation and pragmatism to build robust solutions. Proficient with React.js and Next.js, powering backend operations with Express.js and Nest.js also Golang and constructing feature-rich applications with Laravel also Codeigniter, I thrive in environments that challenge me to learn and grow.
My passion lies in turning complex problems into elegant, scalable software that not only meets but exceeds user expectations. I'm someone who merges technical ability with a user-focused mindset to drive product development.

EXPERIENCES

Full Time | PT. BFI Finance Indonesia Tbk   **Jakarta, Indonesia**
Software Engineer   *May 2025 - Now*

- Built loan status tracking system (Reschedule history, Appointment scheduling, etc) integrated with Goto, Tokopedia, Shopee and more.
- Engineered an event-driven architecture for the loan re-scheduling flow, focusing on status tracking history and validation. This resulted in reducing latency from 5 seconds to under 0.5 seconds (measured at P95), while also enhancing readability and maintainability.
- Implemented RabbitMQ validation pipeline with dead-letter queues/retry mechanism, isolating transactional/webhook flows and decoupling heavy work for better processing.
- Eliminated duplicate processing via Redis idempotency control in webhook flows.
- Accelerated high-traffic endpoints through in-memory caching, reducing database roundtrips.
- Enhanced legacy validation with Slack/GWS (Google Web Server) notifications for real-time error alerts.
- Achieved more than 95% unit test coverage (Sonarqube verified) for critical services
- Implemented SOLID/Clean Architecture with strict layer separation.
- Created partner-facing error helper system improving integration debugging.
- Collaborated closely with the QA team members during the integration of services with external partners (e.g., Goto, Shopee, etc.).
- Collaborated closely with the tech lead to identify and define key cases, fostering collaborative brainstorming sessions to develop effective solutions.

Tech Stack: Golang, Solid.JS, Typescript, Git, Microservices, JWT, PostgreSQL, Message Broker (RabbitMQ, NATS), GCP, GWS, Redis, K8S, Grpc, Datadog, Temporal, ArrrangoDB

Full Time | PT. Amani Group   **Jakarta, Indonesia**
Software Engineer Team Lead   *Apr 2024 – May 2025*

- Developed and maintained key features, including Master-Material, Real Estate Management, Customer Relationship Management, and modules for Contractors and Home-Buyers.
- Led continuous upgrades to enhance overall functionality and user experience of the application.
- Collaborated in daily Agile SDLC meetings, implementing design patterns tailored to specific use cases.
- Contributed to system architecture discussions and design system improvements to ensure optimal performance.
- Migrated legacy code and optimized the existing CRM solution, overseeing performance monitoring and fine-tuning.
- Coordinated with C-level executives to align program objectives and ensure smooth business operations.
- Led projects by driving strategic direction, mentoring junior team members, facilitating effective collaboration, and performing comprehensive code reviews.

- Developed and integrated a robust message broker to ensure seamless connectivity between services, utilizing a structured service-oriented database design and real-time socket communication.
- Employed Atomic Design principles and implemented key performance optimizations to enhance the efficiency and scalability of Next.js and React applications.
- Collaborated closely with UI/UX teams and Solutions Architects to ensure flawless system integration and an exceptional user experience.
- Maintained comprehensive documentation for all implemented features, bug fixes, and maintenance tasks, supporting continuous improvement and team knowledge sharing.

Tech Stack: Golang, Next.js, Nest.js, Express, React.js, Typescript, Git, Microservices, JWT, AXIOS, Redux, PostgreSQL, Message Broker (RabbitMQ), GCP, Redis, Atomic Architecture, Websocket, Xendit

Full Time | PT. CIMB Niaga **Jakarta, Indonesia**
Software Engineer *Aug 2023 – Apr 2024*

- Developed and maintained key features such as budget management and task delegation in IProC, based on Functional Specification Documents (FSD) and user requests, ensuring efficient and user-friendly solutions.
- Integrated third-party APIs to consume data from pengadaan.com.
- Refactored deprecated code, updated libraries, and upgraded the framework.
- Analyzed and implemented business procurement workflows.
- Managed big data, optimizing and tuning SQL queries.
- Actively participated in an Agile environment with a small team.
- Successfully collaborated with the team to complete Phase 2b of the project.
- Documented all implemented features, bug fixes, and maintenance tasks.

Tech Stack: PHP, CodeIgniter(4), CSS, Bootstrap, ReactJS, Typescript, MySQL, SQL Server, Express JS, Git, Jquery, Git, Redux, Microservices, Message Broker (NATS).

Full Time | PT Intellix Global Crossing **Jakarta, Indonesia**
Software Engineer *May 2022 – June 2023*

- Engineered and optimized robust features, significantly elevating the performance and security of platforms for esteemed clients, including BRI Danareksa Sekuritas, Bank Mega Syariah, and Bank Sampoerna.
- Successfully refined and executed SQL tuning strategies for databases handling in excess of 5 million records, significantly boosting performance and scalability.
- Spearheaded comprehensive penetration testing.
- Fully Participated in SCRUM, adeptly managing concurrent project timelines and fostering collaborative synergy across teams.
- Forged strong alliances with the Engineering, Project Management, and Quality Control teams, consistently resolving issues and advancing project objectives.
- Instrumental in cross-team collaboration, enhancing product features, and troubleshooting complex technical challenges.
- Pioneered the migration of legacy tools and updating of PHP and Node.js versions for client applications, resulting in smoother operations and modernized infrastructures.
- Innovatively integrated the Jatis API for WhatsApp Blast and LDAP into the Ecentrix Application for Bank Mega Syariah, significantly enhancing the Contact Center's capabilities.
- Authored comprehensive documentation for newly developed features, laying the groundwork for seamless future enhancements and maintenance.

Tech Stack: NodeJS, Express, ReactJS, PHP, CodeIgniter (3, 4), MongoDB, MySQL, PostgreSQL, Redis, JavaScript, jQuery, Git, HTML, CSS, SCSS, Webpack.

Self Employed | Software Engineer Freelancer **Palembang, Indonesia**
Software Engineer *2019 - 2022*

- Developed over 10 custom web applications, meeting unique client needs and boosting user interaction.
- Managed ongoing upgrades to enhance web app functionality and user experience.
- Delivered custom training to users, improving their proficiency with our applications.

Tech Stack: HTML, CSS, Bootstrap, JavaScript, Express JS, PHP, Laravel, MySQL, ReactJS, Git.

Internship | PT Sinar-Sanata Electronic Industry **Palembang, Indonesia**
Software Engineer *Jan 2020 - Aug 2020*

- Developed a user-friendly online store app for product display and an admin tool for stock tracking.
- Designed system architecture and database structures.
- Collaborated closely with team members on project execution.
- Conducted user training for application adoption and proficiency.

Tech Stack: PHP, Laravel, CSS, Bootstrap, MySQL, Git.

Internship | Smart Integrated System **Palembang, Indonesia**
Software Engineer *2019 - 2020*

- Developed and implemented software solution based on client requirements
- Responsible for developing REST API for mobile app on android platform
- Delivered hands-on technical training to users.

Tech Stack: PHP, CodeIgniter, Laravel, ReactJS, MySQL, Git.

Freelance | Cyborg IT Center **Palembang, Indonesia**
Software Engineer *2019 - 2020*

- Developed and implemented software solution for athlete client tracking score.
- Responsible for developing REST API for mobile app on android platform
- Providing technical training to end users.

Tech Stack: HTML, CSS, JavaScript, PHP, CodeIgniter, MySQL.

EDUCATION

UNIVERSITAS MULTI DATA PALEMBANG **Palembang, Indonesia**
Bachelor's in Computer Science, *2018-2022*
GPA: 3.84 / 4.00
Final Project : Classification Mediterranean Fishes Using Convolutional Neural Network,
Organizations:
- Web Programming Community (*2020-2022*).
- Associate Of Informatics Engineering (2020-2022).
- Buddhist Organization (2018-2022).