

Mario Agustin Sijabat

East Jakarta | +62-882-6480-2162 | marioagustinsijabat@gmail.com | mario.bagussi.my.id | www.linkedin.com/in/mario-sijabat

PROFILE

Software engineer passionate about identifying creative solutions and turning ideas into reality. Combines user-friendly design with robust system development to deliver reliable applications. Demonstrates rapid skill acquisition and excels in solving complex problems. Dedicated to creating seamless digital experiences and fostering collaboration as a thoughtful, communicative team member.

EDUCATION

Del Institute of Technology | Bachelor of Computer Science in Informatics Indonesia
• GPA: 3.62/4.00 Aug 2022 – Sep 2026 (Expected)

EXPERIENCE

Fullstack Developer Intern Aug 2025 – Dec 2025
Tera Multi Wahana Bekasi, Indonesia

- Translated Functional Specification Documents into production code, independently engineering 4 core modules under strict corporate naming conventions and logic standards.
- Orchestrated a custom B2B ERP web app spanning 6+ modules and 30+ dynamic functional screens.
- Formulated end-to-end data services for a major FMCG client, optimizing SQL processing of 100,000+ records.
- Instituted clean code frameworks for Flutter (Dart) and C# integrations to enhance enterprise maintainability and reduce interface rendering bottlenecks.

Fullstack Developer Intern Jun 2025 – Jul 2025
Radya Labs Bandung, Indonesia

- Delivered a production-ready .NET web solution from concept to deployment within 6 Agile sprints.
- Collaborated cross-functionally to accelerate development, meet 95% deadlines, and boost delivery efficiency by 20%.
- Safeguarded post-launch stability for 300+ users via iterative debugging, reducing critical production bug reports.

Full-Stack Engineering Trainee Mar 2025 – May 2025
Business Web Solutions India

- Completed a 15-module advanced full-stack curriculum focused on practical system development.
- Spearheaded the launch of a scalable social platform supported by optimized, normalized relational backend schemas.
- Minimized reload latency by 40% through asynchronous data synchronization, elevating interface responsiveness.

Delegation Representative for Indonesia Sep 2024 – Oct 2024
Huawei Seeds for the Future 2024 Shenzhen, China

- Selected as one of 6 national delegates from over 100 applicants to attend global technical training in China.
- Transformed complex social issues into validated digital product workflows, emphasizing user-focused ideation and solution development.
- Presented a validated technology solution to senior expert panels in the Tech4Good competition, representing one of 19 APAC countries.

Teaching Assistant for Database Aug 2024 – Dec 2024
Del Institute of Technology Situluama, Indonesia

- Elevated project success for 50+ students by 30% through SQL code reviews and debugging sessions.
- Crafted lab case studies, modeling raw user requirements into ERD, CDM, and PDM relational schemas.
- Instructed students in database normalization, table structure creation, and SQL query execution using MySQL.

PROJECTS

KASAYA: Micro-ERP May 2026 – Present
Technologies: React, Node.js, TypeScript, Supabase PostgreSQL, Baileys WA

- Architected B2B SaaS logic and tech stack, integrating WhatsApp messages with real-time POS ledgers.

- Enforced multi-tenant isolation using PostgreSQL Row Level Security (RLS) policies and stateless JWT lifecycles.
- Engineered a custom Bill of Materials deduction feature, recalculating zero-trust financial ledgers via Supabase real-time sync.

The BaGussi Daily | daily.bagussi.my.id

Jun 2025 – Jul 2025

Technologies: Laravel, PHP, MySQL, Filament CMS, Tailwind CSS

- Designed an aesthetic personal blog interface, adopting the classic visual of literary journals.
- Programmed server-side Markdown parsing workflows, caching pre-rendered HTML, reducing server CPU usage.
- Constructed high-performance text retrieval engines using composite B-Tree indexing and MySQL boolean full-text search.
- Integrated real-time Telegram exception fingerprinting with an automated, edge-cached WebP asset conversion pipeline.

Pasar Kreatif Bandung | pasarkreatifbandung.com

Jun 2025 – Jul 2025

Technologies: C#, ASP.NET, Tailwind CSS, JavaScript, PostgreSQL

- Devised modules to digitize registration workflows for Bandung SMEs, improving centralized exhibition efficiency.
- Delivered real-time event updates to 300+ active tenant accounts via dynamic frontend data presentation.
- Debugged data stream synchronization between administrative modules and public-facing interfaces.

Soil Sense | soilsense.bagussi.my.id

May 2025 – Jun 2025

Technologies: Python, Flask, Tailwind CSS

- Created a visually engaging UI/UX web platform delivering intuitive user interfaces and visualizations.
- Engineered a machine learning engine with 33,455+ samples, enhancing classification and regression pipelines with SMOTE.
- Planned a modular Flask backend on cPanel hosting and deployed 4 serialized artifacts to enable real-time inference.

Youth Path Organization | youthpathorganisation.bagussi.my.id

Mar 2025 – Apr 2025

Technologies: PHP, Laravel, Tailwind CSS, Filament CMS, MySQL

- Devised full product architecture and custom UIs, increasing user engagement and satisfaction.
- Developed a monolithic content engine mapping 16 models and 70+ secure administrative endpoints via Filament CMS, optimizing data management speeds.
- Established CI/CD pipelines on cPanel for zero-downtime deployments and migrations.
- Refined responsiveness using Livewire and Tailwind layouts, reducing latency across 17 components.

CERTIFICATIONS

- **Oracle Certification:** Oracle Cloud Infrastructure Certified AI Foundations Associate (2026)
- **Professional Proficiency Certification:** TOEFL ITP – Score: 600 / Advanced C1 (2025)
- **Professional Certificate:** Full-Stack Web Development Engineering – Angela Yu (2025)
- **Specialization:** Advanced Front-End Web Development Architecture – Dicoding (2025)
- **Global Talent Fellow:** Huawei Asia Pacific Seeds for the Future Program (2024)

SKILLS

Languages: C#, PHP, Python, JavaScript, TypeScript, Dart, C, Java, Go (Golang)

Backend & Core: .NET, Laravel, Node.js (Express), Flask.

Frontend & Mobile: React.js, Next.js, Flutter, Tailwind CSS, shadcn/ui, Bootstrap, jQuery, Filament CMS

Databases & DevOps: PostgreSQL, MySQL, Supabase, Firestore, Git, Docker, GitHub Actions (CI/CD), Postman

Systems & Architecture: RESTful APIs, CQRS, Clean Architecture, Row Level Security (RLS), Data Modeling

UI/UX & Visual Design: Figma, Affinity Designer, Procreate, Aseprite