

YERIKHO WILLIAM TASILIMA

Backend Developer

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SUMMARY

Backend Developer with professional experience building and maintaining production-grade fintech applications using NestJS, TypeScript, PostgreSQL, and MongoDB. Experienced in designing RESTful APIs, implementing business-critical backend logic, integrating asynchronous messaging with RabbitMQ, and maintaining scalable backend services. Passionate about building reliable software, solving production issues, and collaborating with cross-functional teams.

PROFESSIONAL EXPERIENCE

Backend Developer

PT Bursa Akselerasi Indonesia (Indofund.id) | December 2025 – Present

Tech Stack: NestJS, TypeScript, PostgreSQL, Sequelize, MongoDB, Mongoose, RabbitMQ, Swagger, Bitbucket

- Developed and maintained backend services for the Kenari and Indofund.id fintech applications using NestJS, TypeScript, PostgreSQL, Sequelize, MongoDB, and Mongoose.
- Designed and implemented RESTful APIs supporting lending, financial transactions, reporting, and customer-facing workflows.
- Implemented complex business logic for loan processing, premium lender features, payment transactions, and financial workflows.
- Designed and maintained relational and NoSQL database schemas to support evolving business requirements.
- Integrated RabbitMQ to support asynchronous communication between backend services.
- Integrated AWS S3 for secure document synchronization between internal systems.
- Implemented role-based access control (RBAC) to enforce company-level and holding-level data access permissions.
- Documented RESTful APIs using Swagger to improve API consistency and collaboration across teams.
- Diagnosed and resolved production issues through debugging, log analysis, and backend optimization.
- Collaborated with frontend developers, QA engineers, and product teams throughout feature development and production releases.

PROJECTS

OhMyPos — Full Stack Developer (Personal Project)

August 2026 – Present

Tech Stack: TypeScript, NestJS, Next.js, PostgreSQL, Prisma, Zod, Docker

- Designed and built a multi-branch POS and back-office system unifying sales, inventory, cost-of-goods-sold, and financial ledger updates within a single transaction.
- Enforced financial correctness using Decimal arithmetic, append-only ledger and stock history, and row-level locking to prevent overselling and race conditions.
- Benchmarked reporting endpoints against a synthetic dataset of 1.8M+ stock movements, achieving 720ms p95 for full-year reports within a 1-second budget.
- Validated concurrency safety: 30 competing settlement requests on a single payable resolved into exactly 15 successes and 15 conflicts, with zero balance drift and zero server errors.
- Reached 175/175 API unit tests and 456/456 web tests passing across the monorepo hardening gate.

Yellow Taxi Analytics Dashboard — Full Stack Developer

November 2024

Tech Stack: Next.js, NestJS, TypeScript, PostgreSQL, PostGIS, Leaflet.js

- Built a full-stack analytics dashboard for visualizing NYC taxi trip datasets with geospatial filtering.
- Designed RESTful APIs using NestJS and PostGIS to support advanced location-based queries.
- Developed an interactive frontend with Leaflet.js for real-time map visualization.
- Optimized database queries to improve dashboard performance.
- Built a responsive UI for seamless data exploration across desktop and mobile devices.

Education Course Platform — Full Stack Developer

June – August 2024

Tech Stack: Next.js, TypeScript, Express.js, Prisma, MySQL, Redux, JWT

- Developed a full-stack online learning platform using Next.js and Express.js.
- Built RESTful APIs with Express, Prisma, and MySQL.
- Implemented JWT authentication, email verification, and image upload functionality.
- Integrated Redux for state management.
- Developed responsive user interfaces based on Figma designs.

Employee KPI Management System — Full Stack Developer

April – May 2025

Tech Stack: Laravel 12, PHP, MySQL, Blade, Bootstrap

- Developed an employee KPI management system using Laravel.
- Implemented authentication, employee management, and division management modules.
- Performed feature testing and validation before deployment.
- Presented project progress during milestone reviews.

TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript, PHP, SQL

Backend: Node.js, NestJS, Express.js, REST API, RabbitMQ, JWT, OAuth

Frontend: React, Next.js, Redux, Tailwind CSS, Bootstrap

Databases: PostgreSQL, MongoDB, MySQL, Redis, Sequelize, Prisma, Mongoose, PostGIS

Tools & Technologies: Git, GitHub, Bitbucket, Postman, Jest, Swagger

EDUCATION

Harisenin.com — Bootcamp Full Stack Developer

May 2024 – August 2024

SMA Negeri 5 Surakarta

2017 – 2020

LANGUAGES

Indonesian — Native | English — Professional Working Proficiency