

SATRIO NUGROHO

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Summary

Fullstack Developer with strong expertise in backend development and system integration. Proficient in Node.js, TypeScript, and Python with experience in frameworks such as NestJS, ExpressJS, Django, and Ninja API. Skilled in using PostgreSQL and experienced in building microservice architectures, managing deployments on AWS, and developing systems integrated with IoT devices.

Professional Experience

Company : PT. Folka Indonesia Teknologi (FOLKATECH) – (Nov, 2025 – Feb, 2026)

Position : Backend Developer

Area of Responsibility:

- Designed, developed, and maintained backend architecture for enterprise web applications.
- Built RESTful APIs to support seamless communication between services and external systems.
- Developed web application modules and business logic for a high-level government project: Situation Room Presiden - Executive Dashboard for the President of Indonesia, under the Indonesian Ministry of State Secretariat.
- Collaborated closely with the frontend development team and UI/UX designers to ensure consistent UI integration and optimized user experience.
- Integrated backend services with AI service modules, enabling intelligent data processing and analytics.
- Managed CI/CD pipelines, deployment strategy, and container configurations on the Rancher Kubernetes platform.
- Responsible for end-to-end development and delivery: requirement analysis, coding, testing, documentation, and optimization.
- Maintained system performance, ensured scalability, and implemented monitoring & logging.

Project : Situation Room Presiden (Dashboard Executive For Presiden RI)

Technologies : Node.JS, Nest.JS, ORM Sequelize, PostgreSQL.

Company : PT. Jagad Aman Prima – (Jul, 2025 – Nov, 2025)

Position : Application Developer

Area of Responsibility:

- Developed and maintained the 360Scalix weighbridge web application system end-to-end, covering analysis, design, and implementation.
- Designed and optimized relational database schemas based on module requirements and data integration needs.
- Built REST APIs using NestJS to support communication between frontend and backend.
- Developed interactive and responsive frontends using React and Tailwind CSS.
- Managed system integration with IoT devices, ensuring real-time data synchronization between sensors and the application.
- Responsible for system architecture, requirements analysis, and managing integration across backend, frontend, and IoT components.

Project : Web Application - 360scalix Weighbridge

Technologies : Node.JS, Nest.JS, React.JS, ORM Sequelize, PostgreSQL.

Company : PT. Airmedika Futura Indonesia - (Mar, 2025 - Jul,2025)

Position : Fullstack Developer

Area of Responsibility:

- Developed and built the AIMEDIKA Clinic Information System (SIM Klinik) web application to support clinic management needs.
- Designed and analyzed relational database schemas tailored to clinic modules such as patient registration, medical records, and inventory.
- Developed REST APIs using Django and Ninja API to support communication between frontend and backend.
- Built an interactive and responsive user interface (frontend) using React and Tailwind CSS.
- Handled integration of various clinic modules such as queuing, medical examinations, laboratory, and inventory.
- Performed testing and debugging to ensure overall system quality and performance.

Project : SIM Klinik Airmedika

Technologies : Node.JS, Python, Django, Ninja API, PostgreSQL, Type Script, Tailwind CSS.

Company : Cv.Adaptive Kreasi Teknologi – (Jun, 2023 – Sep, 2023)

Position : Backend Developer

Area of Responsibility:

- Built a risk management system for Bank Syariah Indonesia.
- Designed the ERD, database schema, and REST API.
- Collaborate with team Developer, QA, Product Manager

Project : System Risk Management – Bank Syariah Indonesia

Technologies : Typescript, Node.JS, Nest.JS, ORM TypeOrm, Microsoft SQL Server.

Company : PT.Telkom Indonesia – (Jul, 2022 – Mar, 2025)

Position : Backend Developer

Area of Responsibility:

- Developed and maintained the OSS RBA system for the Ministry of Investment and Downstreaming/BKPM.
- Designed and optimized database schemas and improved query performance.
- Collaborated with cross-functional teams to ensure seamless integration between application modules.
- Conducted debugging, testing, and documentation to ensure high code quality.
- Successfully supported large-scale projects in the public sector.

Project : System OSS RBA (Online Single Submission Risk Based Approach) to Ministry of Investment and Downstreaming/BKPM.

Technologies : Node.JS, Express.JS, Typescript, Nest.JS, Vue.JS 3, ORM Sequelize, PostgreSQL, Oracle.

Company : PT.Majapahit Teknologi Nusantara – (Jun, 2021 – Jul, 2022)

Position : Backend Developer

Area of Responsibility:

- Developed and maintained the OSS RBA system for the Ministry of Investment and Downstreaming/BKPM.
- Designed and optimized database schemas and improved query performance.
- Collaborated with cross-functional teams to ensure seamless integration between application modules.
- Conducted debugging, testing, and documentation to ensure high code quality.
- Successfully supported large-scale projects in the public sector.

Project : System OSS RBA (Online Single Submission Risk Based Approach) to Ministry of Investment and Downstreaming/BKPM.

Technologies : Node.JS, Express.JS, Typescript, Nest.JS, Vue.JS 3, ORM Sequelize, PostgreSQL, Oracle.

Education and Certificate

- Universitas Terbuka Jakarta, (2023 – Present)
Bachelor of System Informatic.
- Pijar Camp - Jakarta, Indonesia (Dec, 2020)
Full Stack Mobile Developer Certificate

Skill

- **Programming Languages:** JavaScript, TypeScript, Python, SQL.
- **Frameworks & Libraries:** Node.js, NestJS, ExpressJS, Django, Sequelize, TypeORM, ReactJS, React Native.
- **Databases:** PostgreSQL, MySQL, Microsoft SQL Server, Oracle.
- **Tools & DevOps:** Docker, AWS EC2, Git.