

## SATRIO NUGROHO

Jakarta, Indonesia

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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.

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### Professional Experience

**Company : PT. Sayap Mas Utama (WINGS GROUP) - (Mar, 2026 - Jul,2026)**

**Position : Backend Developer**

**Area of Responsibility:**

- Developed and maintained the S4TU WINGS system for PT Sayap Mas Utama.
- Integrated SAP with internal services using Apache Kafka to enable real-time data synchronization and event-driven architecture.
- Refactored and migrated existing SOAP services into RESTful APIs using NestJS, improving scalability, maintainability, and integration with frontend systems.

**Project : Project S4TU WINGS.**

**Technologies : Typescript, Nest.JS, ORM TypeORM, PostgreSQL, MySQL.**

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

**Position : Backend Developer**

**Area of Responsibility:**

- 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.
- 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.**

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## Education and Certificate

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

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## 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.