

BAYU MAULANA

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Full-stack Software Engineer with hands-on experience building and shipping production-grade web applications. Proficient in React, Next.js, Express, and NestJS, with a strong foundation in system design, database management, and scalable API development. Proven ability to deliver end-to-end solutions, having contributed to platforms processing 50K+ transactions across 15+ events and systems adopted by 10K+ users. Currently maintaining a 3.97 GPA while working professionally as a Software Engineer.

SKILLS

- **Programming Language:** Javascript, Typescript, PHP
- **Framework/ Library:** React, Next, React Native, Flutter, Express, Nestjs, Laravel
- **Database:** MySQL, PostgreSQL, MongoDB, Redis

EXPERIENCE

Co-Founder & Software Engineer, PT. Sky Multi Creative Jan 2025 - Now

- Developed full-stack event platforms using React, Next.js, Express, MySQL, Redis, and Docker.
- Implemented key systems including RBAC authorization, POS features, attendance management, and ticket validation via mobile and handheld scanners.
- Integrated 8 payment gateways and built backend services for reliable transaction processing.
- Supported platforms handling 50K+ transactions across 15+ events.

Coding Tutor, Superprof Jan 2024 - Dec 2025

- Taught programming fundamentals, web, and mobile development, helping students build a strong foundation in coding.

Extracurricular Teacher, SMKN 5 Batam Aug 2023 - Dec 2023

- Instructed students in web application development, covering HTML, CSS, JavaScript, PHP, and MySQL.
- improved coding competency of 40+ students.

Internship, PT. Panasonic Industrial Devices Batam June 2022 - Dec 2022

- Built a production disruption management system, reducing change-handling time by ~75% (20+ min to under 5 min) for a 50-person department
- Developed an automated equipment expiry notification system, ensuring 100% compliance with inventory protocols department-wide.

PROJECT

Snaptix

- Developed a ticketing platform supporting online sales, e-tickets, 8 payment methods, online POS, onground management, and participant tracking.
- Contributed mainly to frontend development (React, Next.js, shadcn, SEO) and assisted backend development (Express, Redis, MySQL).
- Successfully processed 50K+ transactions, and trusted by 20+ Event Organizers around indonesia.

Kuasa Tiket

- Developed a digital authorization system for ticket ownership transfer, enabling users to legally delegate ticket redemption or resale to another person.
- Built the frontend using React and Next.js with a focus on form validation, document generation, and user-friendly workflows for authorization submission.
- Adopted by 10K+ users to facilitate delegated ticket redemption and resale processes.

Pertamina Inventory Management System

- Developed a warehouse inventory management system to manage stock inflow and outflow of goods in warehouse operations.
- Implemented the frontend using Next.js and built backend services with NestJS, exposing RESTful APIs for inventory and transaction management.
- Designed database schemas and implemented features for stock tracking, inventory updates, and transaction history to ensure data consistency.

Selvo E-Commerce for Digital Product

- Built an e-commerce platform for digital product sales using Next.js for the frontend and Express for backend APIs.
- Implemented core features including product management, order processing, and automated digital product delivery.

Polibatam Logistik (PBLog)

- Built a CEISA 4.0 (BC 2.0) process simulation system with Laravel, helping International Trade Logistics students improve their learning experience.

ORGANIZATION

General Chairman - Batam Linux User Group

Jan 2025 - Dec 2025

- Led and executed organizational programs ranging from city-level to national-scale initiatives.
- Increased member recruitment and cadre development by 3x compared to the previous year.

IT Staff - Batam Campus Expo

October 2024 - Jan 2025

- Implement Website for Company Profile of Batam Campus Expo Event and registration with over 1000+ user registered using React and ExpressJS

Head of Programming Division - Batam Linux User Group

Jan 2024 - Dec 2024

- Implemented divisional work programs with team members, Enhanced the reputation of Batam Linux User Group in Batam through Workshop, Seminar, and Competition

EDUCATION

Applied Bachelor of Software Engineering

2023 - Now

Politeknik Negeri Batam

GPA 3.97/4

- Studied core areas including web development, mobile application development, Internet of Things (IoT), and Artificial Intelligence (AI).

Computer Network Engineering

Jun 2020 - May 2023

SMK Negeri 5 Batam