

MURTAMAD PRATAMA

Software Engineer | Full-Stack TypeScript & Node.js Developer

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PROFESSIONAL SUMMARY

Software Engineer with 3+ years of experience in enterprise application development, production support, and end-to-end delivery. Currently working remotely in a distributed environment, building web and mobile applications with TypeScript, Node.js, Next.js, React, React Native, NestJS, PostgreSQL, Prisma, and Supabase. Hands-on experience includes authentication, authorization, RBAC, REST APIs, relational data modeling, CI/CD, and deployment. Previously supported eight global enterprise applications as an OutSystems O11 developer, bringing strong workflow design, release discipline, and production troubleshooting to modern full-stack development.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, SQL; Java and Kotlin (basic)

Frontend: Next.js (App Router), React.js, React Native, Tailwind CSS

Backend: Node.js, NestJS, REST APIs, Next.js API routes, authentication, authorization, session management

Data & Cloud: PostgreSQL, Prisma ORM, Supabase Auth/Database/Storage, Vercel

Architecture & Delivery: RBAC, relational data modeling, workflow design, SaaS architecture, Git, GitHub Actions, CI/CD, Jira, code review, technical documentation

Enterprise & Automation: OutSystems O11 (Reactive and Traditional Web), Service Studio, reusable modules, enterprise application support and deployment, UiPath development/testing

PROFESSIONAL EXPERIENCE

Construct-X Indonesia | Remote

Nov 2025 - Present

Software Engineer (Full-Stack Development)

- Own end-to-end development of web and mobile products using Next.js, React Native, Node.js/NestJS, PostgreSQL, Prisma, and Supabase, from architecture and data modeling through implementation and deployment.
- Built authentication, session management, RBAC, and protected content-access workflows for internal and client-facing applications.
- Designed REST APIs and relational database structures for multi-role workflows, team registration, approvals, product access, and transaction-driven business logic.
- Delivered core frontend workflows for a client-facing application within two weeks as part of a two-person development team.
- Set up review and deployment environments using Vercel, Supabase, and GitHub Actions, including environment configuration, CI/CD workflows, and access controls.
- Translate high-level business concepts into implementable technical flows without dedicated Business Analyst support and coordinate decisions with technical and business stakeholders.
- Led UiPath automation development and testing activities while coordinating a small delivery team.

Wilmar Consultancy Services (WCS) | Medan, Indonesia | On-site

Aug 2022 - Oct 2025

Enterprise OutSystems Developer

- Maintained, enhanced, and supported eight enterprise applications used across Singapore, Indonesia, Malaysia, Europe, Africa, and the United States.
- Designed and developed enterprise solutions using OutSystems O11 Reactive Web and Traditional Web based on business and operational requirements.
- Built a reusable OTP authentication module compatible with both Reactive and Traditional applications for multi-application use.
- Researched and delivered a working Single Sign-On proof of concept to validate an enterprise authentication approach.
- Translated business requirements into application workflows, database structures, reusable logic, and technical implementation plans.
- Managed non-production deployments, resolved production incidents, and led a large-scale application migration between environments with zero downtime.

Construct-X | Medan, Indonesia

Jul 2019 - Aug 2022

3D Model Data Processing (VCM Staff)

- Processed and validated 3D model data, supported software testing and quality checks, and created internal documentation and job aids.

SELECTED PROJECTS

Protected Digital Product Platform | *Next.js, TypeScript, Supabase Auth, Prisma, PostgreSQL, Vercel*

- Converted digital product materials into protected web-based content with authenticated and authorized access.
- Implemented login, session handling, RBAC, product restrictions, and review-ready deployments for stakeholder review and presentation.

Inspire Robotics Challenge Platform | *Next.js, TypeScript, Supabase, PostgreSQL*

- Designed team registration, invitations, challenge and theme selection, approval workflows, and role-based administration.
- Defined authentication flows, relational data structures, business rules, and modular frontend architecture.

Personal Finance Application (Ongoing) | *Next.js, TypeScript, Prisma, Supabase, PostgreSQL*

- Building a multi-user finance application covering accounts, categories, transactions, authentication, API routes, and dashboard reporting.
- Designed the relational data model and full-stack structure with future React Native integration in mind.

EDUCATION & CERTIFICATIONS

Universitas Pembangunan Panca Budi Medan - Bachelor's Degree in Computer Science, Faculty of Science and Technology |
GPA: 3.81/4.00 | 2016-2021

Certifications: OutSystems Associate Reactive Developer O11 (2024); Junior Graphic Designer - BNSP (2020); Dicoding Academy - Memulai Pemrograman Dengan Java (2021)

Languages: Indonesian (Native); English (Professional Working Proficiency)