

Tri Denda

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SUMMARY

Software Engineer with expertise in the **React ecosystem** and building highly reliable, scalable enterprise applications. Spearheaded internal digital transformation at Plananetworks to reduce administrative processing by 40%, and refactored core banking engines at Wide Tech to cut API latency by 35%. Committed to leveraging clean software architecture to untangle complex business rules and deliver measurable impact for mission-critical product teams.

SKILLS

Languages: TypeScript, JavaScript, Java, Clojure, Haskell, Dart, SQL, HTML/CSS

Frontend: Next.js, React, TanStack Query, Tailwind CSS, Shadcn UI, Zustand, Flutter, Framer Motion, Playwright

Backend & Cloud: Node.js, PostgreSQL, Supabase, Firebase, AWS, REST APIs, AWS

Tools & Concepts: Linux, Git, Functional Programming, Data Structures, System Architecture

EXPERIENCE

Senior Software Engineer

Aug. 2025 – Present

PT. Plana Networks Indonesia

Jakarta, Indonesia

- Architected Flutter mobile ecosystem to replace legacy operations, reducing admin processing time by 40%.
- Translated complex ERP logic into strict technical schemas, driving full SDLC from design to deployment.
- Spearheaded internal digital transformation, modernizing heavy manual workflows to ensure data integrity.

Software Engineer

Aug. 2023 – Jul. 2025

Siliwangi Studio

Karawang, Indonesia

- Architected 10+ Next.js web applications, consistently achieving perfect 100/100 Google Lighthouse scores.
- Engineered headless TinaCMS architectures, granting clients autonomous control and eliminating maintenance.
- Streamlined frontend pipelines using component-driven Tailwind CSS practices for rapid client delivery.

Software Engineer

Jul. 2022 – Jul. 2023

PT. Wide Technologies Indonesia

Jakarta, Indonesia

- Refactored legacy Java backend engines, optimizing complex database queries to cut API latency by 35%.
- Engineered secure, idempotent REST APIs ensuring zero-defect transaction processing for banking clients.
- Enforced strict quality assurance across the legacy codebase, significantly decreasing deployment risks.

PROJECTS

Siak STTK | *Next.js 16, Prisma 7, Supabase, Tailwind v4, PostgreSQL*

Nov. 2025 – Feb. 2026

- Engineered a modular monolith ERP managing Academic, Admission, and Finance domains using Next.js 16.
- Implemented robust RBAC with multi-tenant isolation for admins, lecturers, and student roles.
- Built academic features for course prerequisites, class scheduling, and online study plan selection.
- Integrated automated tuition billing and real-time payment synchronization for academic eligibility.

PAN Insight | *Flutter, Firebase, Dio, PDFx*

Aug. 2025 – Dec. 2025

- Engineered multi-level approval workflows to streamline complex hierarchical decision-making.
- Integrated seamless document management with in-app PDF viewing and Firebase Storage.
- Enhanced user engagement through real-time push notifications and interactive calendar scheduling.
- Secured application access using email dan password with robust role-based permission systems.

EDUCATION & CERTIFICATIONS

Buana Perjuangan University

Karawang, Indonesia

Bachelor's Degree in Informatics Engineering

Sep. 2018 – Apr. 2022

Coursework: Data Structures & Algorithms, Software Engineering, Databases, Expert System

Amazon Web Services (AWS)

AWS Certified Cloud Practitioner

Mar. 2026 – Mar. 2029

Core Skills: Cloud Architecture, IAM, EC2, S3, RDS, Serverless, Security & Billing