

ERIK PRANANDA YUNTANTYO

Senior Software Engineer

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SUMMARY

Senior Software Engineer with 20 years of backend and full-stack experience, including 11+ years delivering logistics SaaS, fintech, and public-sector platforms for Singapore clients. Specialist in Node.js and Java (Spring Boot); built escrow-settlement and vehicle-tracking systems serving 100+ depot companies. Hands-on engineering leader who architects scalable systems, writes production code daily, and mentors small teams. Open to remote roles worldwide.

PROFESSIONAL EXPERIENCE

PT Multi Guna Gemilang Dec 2014 - Present

Senior Technical Specialist (Software Engineer) Dec 2025 - Present

- Own CDAS ePayment as technical lead and primary client contact, covering maintenance and enhancements. Work directly with the Singapore client on requirements, solution design, and release planning.
- Stay hands-on: code review, production support, and internal technical consulting.
- Drive AI adoption across the team, advising on tooling and prompt-engineering practices for day-to-day engineering work.

Technical Project Manager (Software Engineer) Dec 2021 - Dec 2025

- Led the field-operations module of a vehicle-enforcement platform for a Singapore public-sector agency (client confidential), as one of several delivery teams. Built backend services with Java Spring Boot and MSSQL, developed frontend portals with React and Vite, and deployed on Azure.
- Designed the tow workflow: flagged-vehicle detection at car parks, validation against warrant and appeal records, automated officer notifications, and dispatch to external providers.
- Integrated 10+ external systems (car-park operators, enforcement and vehicle-ownership registries, government data platforms, payment gateway, SMS/email, print vendors) plus the public charge-payment and release portal.
- Led a 3-person team across the internal and public-facing portals while staying hands-on in code, mentoring through code review and pair programming.

Senior Software Engineer Dec 2019 - Dec 2021

- Led engineering for two SaaS platforms launched in 2020 on Node.js, MongoDB, Vue.js, and AWS, each with a driver mobile app.
- Scaled CDAS CTR to 100+ depot companies, with GPS telemetry over MQTT and a driver app for job dispatch and live position tracking.
- Designed CDAS ePayment as an escrow-settlement system where CDAS holds funds between transporters and depots, replacing manual bank transfers with nightly automated payouts via bank API.
- Built ePayment's tiered invoice-approval workflow: invoices assigned per driver, approved in-app when within the driver's limit, and escalated to a manager when above it.
- Set up GitHub Actions CI/CD for both platforms to automate builds, tests, and deployments to AWS, replacing manual releases.

TECHNICAL SKILLS

Core Backend

Java, Spring Boot, Node.js, TypeScript, JavaScript, REST API design, GraphQL, microservices

Databases

PostgreSQL, MongoDB, MSSQL, MySQL, Redis

Schema design, query optimization

Cloud & DevOps

AWS, Azure, Docker, GitHub Actions, CI/CD pipelines, Linux, Git

Frontend

React, Next.js, Vue.js, Quasar

Practices: system design, code review, mentoring, agile delivery, on-call

Integration & Messaging

RabbitMQ, MQTT, third-party and banking API integration, payment gateways, TLS/SSL

EDUCATION

B.Sc. Computer Science

Sekolah Tinggi Informatika dan Komputer Indonesia (STIKI)

2000 - 2005 | Malang, Indonesia

CERTIFICATIONS

Graph Developer – Associate

Apollo GraphQL

API Orchestration – Associate

Apollo GraphQL

Software Engineer (Full-stack)

Dec 2014 - Dec 2019

- Ran the 2019 technology evaluation that moved the team off PHP CMS work onto Node.js, establishing the stack every project since has used.
- Built Carelendar, an events platform for SG Enable (Singapore) — Node.js/MongoDB backend, Vue.js (Quasar) frontend. First delivery on the new stack, still in production and maintained by the team today.

PT Sentra Komputindo

2013 - 2014

Full-stack Engineer

- Java/MySQL karaoke system prototype, built solo.

PT Magicsoft Asia Systems

2007 - 2013

Full-stack Developer

- ASP.NET/C# applications for healthcare and retail clients.

Freelance/Independent

2006 - 2007

System Administrator

- Servers, networks, and backups for university and business clients.