

ANUGRAH PATRA

Software Engineer

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patraworld.site | orenpos.store

PROFESSIONAL SUMMARY

Software Engineer experienced in web applications, fintech, ERP, and distributed systems. Focused on real-time chat, Ethereum/Alchemy integration, and browser mini-games, from UI and design systems to backend services, testing, and deployment. Also build and operate a POS product for F&B businesses.

TECHNICAL SKILLS

Languages & backend: Go, Java, Node.js, TypeScript, PHP, Spring Boot, NestJS, Laravel

Frontend & games: React, Next.js, Flutter, Cocos Creator, PixiJS, Tailwind CSS, design systems

Architecture & messaging: Microservices, event-driven architecture, REST, gRPC, WebSocket, Protobuf, Kafka, RabbitMQ, OpenIM

Data & delivery: PostgreSQL, MySQL, MongoDB, Redis, Git, Docker, Kubernetes, GitHub Actions, GCP, AWS

Web3 & observability: Ethereum, Alchemy, smart-contract integration, OpenTelemetry, Prometheus, Grafana

Quality: Unit, integration, smoke, and end-to-end testing

PROFESSIONAL EXPERIENCE

Full Stack Engineer | PT Citra International Digital

Nov 2025 - Present

- Built chat application features with Go and OpenIM, connecting mobile and web clients through REST, gRPC, and WebSocket; used Kafka for service communication and event handling.
- Integrated Ethereum features through Alchemy APIs, including wallet flows, transaction processing, and smart-contract interaction.
- Developed browser mini-games end-to-end, covering gameplay logic, UI design, Go backend services, React/TypeScript frontends, and release preparation.
- Connected game clients and services through REST, WebSocket, and Protobuf, using PostgreSQL and Redis in the backend.
- Created a shared design system and reusable UI components to keep game interfaces, interaction states, and responsive layouts consistent.
- Debugged client/server integration and validated releases with smoke, integration, and end-to-end tests in Docker-based environments.

Backend Engineer | Paper.id

Jan 2023 - Oct 2025

- Built and maintained backend capabilities for PaperCard, Horizon Card, Pioneer Card, e-Meterai, Open API, and client-specific financial workflows.
- Integrated BRI, CIMB, and Ayoconnect, and customized invoicing workflows for Kopi Kenangan through external API and service integrations.
- Developed microservices, multi-step approval flows, and reusable REST APIs to support client automation and connected financial records.
- Improved database queries, API contracts, failure handling, and cross-service data consistency; investigated integration issues by tracing requests across services.
- Worked with product, QA, and DevOps on requirements, code reviews, testing, release verification, and production issue resolution.

PROFESSIONAL EXPERIENCE (CONTINUED)

Senior Backend Developer | PT Eigen Tri Mathema

Jan 2021 - Jan 2023

- Built backend microservices and REST APIs for multi-module ERP applications, translating business workflows into services, data models, and module integrations.
- Contributed to system architecture, database-query optimization, and performance tuning, with attention to data consistency across business processes.
- Reviewed code, documented implementation decisions, and guided junior developers on backend development and maintainable service patterns.
- Collaborated with frontend, QA, and DevOps on implementation, defect investigation, regression checks, and release follow-up.

Technologies: Microservices, REST APIs, SQL, data modeling, system architecture

Web Developer | Freelance

Apr 2020 - Dec 2020

- Built web applications for small businesses and university projects, including responsive interfaces, content management, authentication, forms, and database-backed workflows.
- Managed requirements, implementation, domain and hosting setup, database configuration, deployment, and post-launch maintenance.

IT Support | PT Kurnia Parama Adhara

Jul 2018 - Feb 2020

- Maintained PCs, routers, printers, local networks, and ERP applications; diagnosed hardware and software issues and supported daily operations.
- Handled software installation, equipment setup, upgrades, preventive maintenance, and documentation of recurring issues and resolutions.

PERSONAL PROJECTS

Founder & Full Stack Engineer | Oren POS / Jajaneun Chili Oil

Active project | Portfolio: orenpos.store

- Built a POS platform covering sales, inventory, product and stock management, cashier operations, and reporting for day-to-day F&B workflows.
- Delivered web and mobile experiences with React, Next.js, and Flutter, including operational dashboards and cross-platform cashier workflows.
- Maintain and deploy the platform while operating Jajaneun Chili Oil, using direct business feedback to prioritize improvements and validate features.

Technologies: React, Next.js, Flutter

Developer | Patra World

Personal portfolio | patraworld.site

- Built an explorable portfolio with a walkable Canvas 2D world, project showcases, and a playable football mini-game using React, Tailwind CSS, and shadcn/ui.
- Implemented game interaction states and responsive controls; packaged the site for static hosting and deployed it through versioned SSH releases.

EDUCATION & CERTIFICATION

Bachelor's Degree, Information Systems (in progress) | Universitas Terbuka | Jul 2023 - Present

Computer Networking | SMKN 4 Padalarang | Jul 2015 - May 2018

MTCNA | MikroTik Certified Network Associate | 2017