

Khairil Rahman Hakiki

Padang, Indonesia | +6282274360915 | [khairol.4hrp@gmail.com](mailto:khairil.4hrp@gmail.com) | linkedin.com/in/khairilrahman | github.com/kyyril | kyyril.vercel.app

EDUCATION

State Islamic University of Imam Bonjol Padang

Padang, Indonesia

Bachelor of Science in Information Systems – Expected Graduation: Nov. 2026

Aug. 2022 – Present

- Relevant Coursework: Data Structures & Algorithms, Database Systems, OOP, Software Engineering

EXPERIENCE

Software Engineer

Sep. 2025 – Jan. 2026

TIME Language Centre

Padang, Indonesia

- Led technical strategy across **3 development teams**, standardizing **Git workflows, CI/CD pipelines**, and **code review** processes.
- Architected event-driven platform on **K3s** with **Go/RabbitMQ, Redis caching, rate limiting**, and database-per-service pattern.
- Built observability stack using **Prometheus, Grafana, and Loki** for real-time monitoring.

Frontend Developer

Apr. 2025 – Jan. 2026

CodeAtHome

Lampung, Indonesia

- Delivered production features with **90%+ test coverage** using Jest, ensuring zero critical bugs in releases.
- Architected reusable **React/TypeScript components** with **Redux** state management, accelerating feature development.
- Optimized data fetching with **TanStack Query** caching strategies, reducing API calls by **40%** and improving load times.

Software Engineer Intern

Jan. 2025 – Mar. 2025

PT Astra International Tbk - TSO Auto2000

Labuhanbatu, Indonesia

- Built **Next.js** dealership platform with **AI-powered car recommendations** using **Gemini AI** to improve customer experience.
- Developed automated reminder system for document tracking, streamlining operations for the service department.
- Engineered **Python ETL pipeline** processing **legacy data** (2010–2024), reducing processing time by **98%**.

PROJECTS

Personal Website | Next.js, MDX, Bun, Elysia, Generative AI

Live

- Built high-performance portfolio with custom **MDX** blog engine achieving **98+ Lighthouse score**.
- Integrated **Guestbook** service with **Bun/Elysia** and **Generative AI** chatbot for portfolio exploration.

Fluently | React Native, Expo, Next.js, Gemini AI, Redis, PostgreSQL

Live

- Built cross-platform **language learning app** with **AI speaking coach**, daily routines, and smart articles.
- Implemented **gamification features** (XP, daily streaks, leaderboards) with **Redis** to drive user retention.

Slither | Go, Redis, WebSocket, Three.js

GitHub

- Built **real-time multiplayer game server** in Go with **O(1) spatial hashing** for collision detection at scale.
- Achieved **95% bandwidth reduction** via delta compression and client-side prediction, supporting **1000+ concurrent entities**.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Go (Golang), Python, SQL

Frontend: React.js, Next.js, React Native, Expo, Redux, Zustand, TanStack Query, Tailwind CSS, Shadcn UI

Backend: Node.js, Express.js, GoFiber, RESTful APIs, Microservices, RabbitMQ, WebSocket, gRPC

Databases: PostgreSQL, Redis, MySQL, Prisma, TypeORM, GORM, Firebase, Supabase

DevOps/Cloud: AWS (EC2, S3, RDS, Lambda), Docker, Kubernetes, CI/CD, GitHub Actions, Prometheus, Grafana

CERTIFICATIONS

[OCI 2025 AI Foundations \(Oracle\)](#) | [AWS Cloud & Gen AI \(Dicoding\)](#) | [REST API Intermediate \(HackerRank\)](#)