Khairil Rahman Hakiki

+6282274360915 | 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 Information Systems – Available: Immediate for Internship; Nov. 2026 for Full-time   Aug. 2022 – Present

EXPERIENCE

Software Engineer   Sep. 2025 – Dec. 2025
TIME Language Centre   *Padang, Indonesia*
- Led technical strategy across **3 development teams**, coordinating customer-facing microservices and internal monolith workstreams.
- Standardized engineering practices: **Git workflows**, **CI/CD pipelines**, **code reviews**, and security protocols.
- 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 – Dec. 2025
CodeAtHome   *Lampung, Indonesia*
- Shipped production features with **unit/integration testing** (Jest/React Testing Library), ensuring code quality and stability.
- Built reusable **React/TypeScript component library** for design consistency and faster development across teams.
- Optimized state management with **Redux/TanStack Query**, reducing API load by **40%** via caching strategies.

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**, achieving **97+ Core Web Vitals** score.
- Developed **Reminder App** for STNK/BPKB document collection, improving administrative efficiency.
- Automated **14 years of data (2010–2024)** cleanup via **Python ETL**, 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
- Launched cross-platform app with **AI Speaking Coach** for real-time pronunciation feedback.
- Designed **gamification system** with XP, streaks, and leaderboards using **Redis**-backed engine.

Slither | *Go, Redis, WebSocket, Three.js*   GitHub
- Built **real-time multiplayer game server** in Go achieving **95% bandwidth reduction** via delta compression and client-side prediction.
- Implemented **spatial hash grid** for efficient collision detection supporting **1000+ concurrent entities**.

SyncBlog | *Next.js, Express.js, PostgreSQL, Prisma, Cloudinary*   Live
- Developed full-stack blog with **MDX**, **PostgreSQL**, **Prisma**, and **Cloudinary** for content management.

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, Loki

CERTIFICATIONS

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