Khairil Rahman Hakiki

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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*
- Owned end-to-end development of **microservices** in **Go/TypeScript** with **Clean Architecture**, deployed on **Kubernetes** achieving **zero-downtime releases**.
- Implemented **Redis** caching and rate limiting layer, reducing average API response time and protecting endpoints from traffic spikes.
- Built async payment flow using **RabbitMQ + Xendit** integration, ensuring reliable transaction processing without blocking user requests.
- Established **observability stack** (**Prometheus**, **Grafana**, **Loki**) enabling real-time debugging and proactive incident response in production.

Junior Frontend Developer — Apr. 2025 – Dec. 2025
CodeAtHome — *Lampung, Indonesia*
- Shipped **15+ features** and resolved **30+ bugs** in production **React.js/Next.js** apps with thorough code reviews.
- Built **reusable component library** (25+ components) with **Shadcn UI**, adopted across 3 internal projects.
- Reduced page load time by refactoring state management to **TanStack Query** with optimistic updates.

Software Engineer Intern — Jan. 2025 – Mar. 2025
PT Astra International Tbk - TSO Auto2000 — *Labuhanbatu, Indonesia*
- Built **Toyota dealership website** with **Next.js + AI recommendations**, now used by sales team for customer inquiries.
- Automated **15 years of legacy data** cleanup with **Python ETL**, saving hours of manual processing weekly.
- Developed **ReminderApp** with **RBAC** and auto-notifications, reducing missed STNK/BPKB renewals for customers.

PROJECTS

Personal Website | *Next.js, MDX, Bun, Elysia, Generative AI* — Live
- Built high-performance portfolio with custom **MDX** blog engine achieving **99+ Lighthouse score**.
- Created **Guestbook** service with **Bun/Elysia**; integrated **Generative AI** chatbot for portfolio exploration

Fluently | *React Native, Expo, Next.js, Gemini AI, Redis, PostgreSQL* — Live
- Launched cross-platform language learning app with **AI Speaking Coach** for real-time pronunciation feedback.
- Designed **gamification system** with XP, streaks, and leaderboards using **Redis**-backed task engine.

Slither | *Go, Redis, WebSocket, Three.js, Real-Time Multiplayer* — GitHub
- Implemented **delta compression** and **client-side prediction** achieving **95% bandwidth reduction** at 60 FPS.
- Built **authoritative server** with **spatial hash grid** collision handling 1000+ entities at **30Hz tick rate**.

SyncBlog | *Next.js, Express.js, PostgreSQL, Prisma, Cloudinary* — Live
- Built full-stack blog with **MDX editor**, social features (follow, like, bookmark), and **Cloudinary** CDN.

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/Observability: Docker, Kubernetes, CI/CD, GitHub Actions, Prometheus, Grafana, Loki, NGINX

CERTIFICATIONS

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