

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 <i>Bachelor of Information Systems – Available: Immediate for Internship; Nov. 2026 for Full-time</i>	Padang, Indonesia Aug. 2022 – Present
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EXPERIENCE

Software Engineer <i>TIME Language Centre</i>	Sep. 2025 – Dec. 2025 Padang, Indonesia
<ul style="list-style-type: none">Led technical strategy for a multi-team client initiative, architecting a distributed microservices system (Go/RabbitMQ) for the customer-facing platform while guiding a separate monolith team for internal tools, aligning architecture with business complexity.Standardized engineering best practices across 3 development teams, enforcing Git workflows, CI/CD pipelines, and security protocols, while conducting code reviews that upskilled peers and ensured production readiness.Architected an event-driven microservices platform (Go/TypeScript) on K3s using RabbitMQ and database-per-service pattern, ensuring data isolation and independent scaling.Engineered a unified entitlement & payment engine in Go, utilizing Redis for caching which reduced authorization latency by 65% and secured transaction integrity.Established system observability using Prometheus, Grafana, and Loki, enabling real-time distributed monitoring and rapid issue detection.	
Junior Frontend Developer <i>CodeAtHome</i>	Apr. 2025 – Dec. 2025 Lampung, Indonesia
<ul style="list-style-type: none">Shipped features with unit/integration testing, enforcing clean code and stability.Architected reusable React/TypeScript component libraries, ensuring design consistency and faster delivery.Optimized global state management with Redux/TanStack Query, cutting API load by 40% via caching.	
Software Engineer Intern <i>PT Astra International Tbk - TSO Auto2000</i>	Jan. 2025 – Mar. 2025 Labuhanbatu, Indonesia
<ul style="list-style-type: none">Engineered Next.js dealership platform with AI-car recommendations, achieving 97+ Core Web Vitals and increasing user engagement.Developed Reminder App for STNK/BPKB collection, ensuring timely document pickups and improving administrative efficiency.Automated 14 years of data (2010–2024) cleanup via Python ETL, reducing time by 98%.	

PROJECTS

Personal Website <i>Next.js, MDX, Bun, Elysia, Generative AI</i>	Live
<ul style="list-style-type: none">Crafted 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 <i>React Native, Expo, Next.js, Gemini AI, Redis, PostgreSQL</i>	Live
<ul style="list-style-type: none">Launched cross-platform app with AI Speaking Coach for real-time pronunciation feedback.Designed gamification system with XP, streaks, and leaderboards using Redis-backed task engine.	
Slither <i>Go, Redis, WebSocket, Three.js, Real-Time Multiplayer</i>	GitHub
<ul style="list-style-type: none">Engineered a real-time multiplayer 3D snake game, achieving 95% bandwidth reduction via delta compression and prediction algorithms.Architected authoritative server with spatial hash grid collision handling for 1000+ concurrent entities.	
SyncBlog <i>Next.js, Express.js, PostgreSQL, Prisma, Cloudinary</i>	Live
<ul style="list-style-type: none">Spearheaded full-stack blog with MDX, PostgreSQL, Prisma, and Cloudinary, streamlining content delivery.	

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 \(HackerRank\)](#)