

RHENJIRO M GUNAWAN

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EDUCATION

California State University, B.S. in Computer Science

Fall 2023 — Fall 2025

- GPA 3.87
- Head of Operations, Google Developers Group (Fall 2024–Present)
- Co-founder, CodeLabs (2024–Present)

SKILLS

- **Languages:** JavaScript, TypeScript, Python, Java, C++, SQL, HTML/CSS
- **Frameworks & Libraries:** React, React Native, Next.js, Node.js, Express.js, FastAPI
- **Databases & Cloud:** Firebase, Firestore, Postgress
- **Tools & DevOps:** Git, GitHub, Docker, Postman, Ngrok

EXPERIENCE

Fullstack Developer Intern, Bercerita

August 2025 — Present

- Enhanced backend stability by optimizing FastAPI performance and improving Postgress query efficiency.
- Designed and developed scalable frontend features with React and Next.js, improving user experience and responsiveness.
- Created an AI tutor enabling Indonesian students to learn English through natural conversation, improving accessibility to quality language education for underserved regions.

Technologies: TypeScript, Python, React, Next.JS, FastAPI, Postgress

Software Engineer Intern, Altonaut

May 2024 — August 2024

- Contributed to early-stage development of Altonaut's mobile app using React Native, Expo, and TypeScript as the core frontend framework.
- Led migration of the mobile infrastructure to Expo, including integration and refactoring of libraries, tools, and build configurations.
- Implemented seamless frontend-backend communication for dynamic data rendering and real-time updates.

Technologies: React Native, Expo, TypeScript, SQL

PROJECTS

NextGen Conference Website - Fullstack Software Engineer, Software Architect

Tech Stack: React · Node.js · TypeScript · Next.JS · Firebase

- Increased event outreach and engagement by 15% via website
- Designed and implemented the system architecture for the NextGen Conference website, defining data flow, API structure and database design.
- Established best practices for code structure, deployment pipelines, and modular component design

Billi - Fullstack Software Engineer, Software Architect

Tech Stack: React Native · Node.js · Express.js · Firebase Firestore · Firebase Storage · Google Cloud Vision OCR · Gemini LLM

- Built a mobile app to automate bill splitting using AI and Google OCR for extracting receipt data.
- Integrated Gemini LLM to interpret and categorize expenses, assign items to users, and facilitate seamless splitting.
- Utilized Tesseract.js as an OCR fallback to improve accuracy across diverse receipt formats.

Interactive Event Game Site - Fullstack Software Engineer, Software Architect

Tech Stack: JavaScript · CSS · React · Firebase Firestore · Firebase Storage

- Successfully handled traffic from 200+ participants during a live deployment.
- Improved performance by 50% with image compression and efficient data operations.