I GUSTI AGUNG RAMANANDA WIRA DHARMA

Bali, Indonesia | (+62) 83-117-990-162 | agungramananda@gmail.com | GitHub | LinkedIn

SUMMARY

Software Engineer building RESTful services for membership and public-service platforms with Go, Python, Node.js, and PostgreSQL. Develops scalable backends using Redis, and Docker to support production systems and faster data access. Delivers API for applications serving 4,000+ users across Indonesia.

WORK EXPERIENCE

Freelance Software Engineer (Backend), PT Tridatu Solution
Software Engineer (Backend) *Denpasar, Bali | Oct 2024 - Feb 2026*

- Built 100+ REST API endpoints for backend application functionality using Node.js and PostgreSQL.
- Developed a membership system for a stationery store, serving more than 4,000 members with Node.js, PostgreSQL, and Redis.
- Implemented Redis-backed data handling to support faster membership operations and application responsiveness.
- Integrated backend solutions with BSrE to support digital transformation initiatives for village services.
- Translated application requirements into backend features for membership and public service projects.
- Maintained clear technical documentation and version-controlled code while using debugging and code review practices using Swagger and Git.
- **Skills**: JavaScript (Node.js), Go (Golang), Python, Postgresql, MySQL, Redis, Firebase, Docker

Software Engineer (Backend) Intern, PT Tridatu Solution
Software Engineer (Backend) *Denpasar, Bali | May 2024 - Sep 2024*

- Built core POS REST APIs in Node.js and JavaScript to support retail transaction processing.
- Implemented PostgreSQL-backed data handling and Redis-supported caching for backend request flows.
- **Skills**: JavaScript (Node.js), Postgresql, Mysql, Redis

SELECTED PROJECTS

Hybrid E-commerce Recommendation System | Python - Alternating Least Squares - Content Based Filtering

- Developed a research prototype to address cold start problems using collaborative filtering and content-based filtering, evaluated on Amazon Reviews 2023 data.

DesaTerpadu - Digital Village Services | Python - Mysql - Firebase - Flutter

- Developed REST APIs using Python and MySQL for village information, resident services, and administrations services including e-sign for letter using BsRE API integration. Help developed several mobile app pages including resident services and authentication workflow using Flutter and Dart.

Craftify, Smart Waste Scanner & DIY Recommendation App | Kotlin - AndroidSDK - Firebase - SQLite

- Built an Android learning project integrating image-recognition APIs, local caching, Firebase Firestore for storing user data, and real-time API services as part of Bangkit Academy 2024 Batch 2

Prasi Aksesoris Bali - Storefront | PHP - Laravel 12 - Blade - Tailwind

- Developed storefront for showcasing and managing Balinese accessories and souvenirs from lontar-leaf. The public site presents the brand story, product collection, news, contact information, and links to online marketplaces. An authenticated admin area manages the site's content.

Nadhimart Membership | Node.js - PostgreSQL - Redis - Python

- Membership APIs and desktop synchronization utility for retail members, transactions, points, scheduled synchronization with existing POS system

SKILLS

- **Technical Skills**: Javascript, Node.js, Go, Python, MySQL, MariaDB, Postgresql, Redis, Docker, Firebase, REST API development, Swagger, Git, HTML, CSS, React, Kotlin, Android development, Spec Driven Development
- **Engineering Practices**: Debugging, Code review, Version control, Error handling

- **Product Support:** Requirement analysis, Agile workflow, Technical documentation, Stakeholder communication

EDUCATION

Udayana University – Bali, Indonesia *Sept 2022 – August 2026*
Bachelor of Computer Science (GPA: 3.9 / 4)

- *Bangkit Academy 2024 Batch 2 Cohort— Mobile Development Path (Sep 2024 – Jan 2025). Developed Smart Waste Scanner and DIY Recommendation App, integrating image recognition APIs, client-side caching, and real-time backend services using Kotlin, SQLite, Firebase, and Android SDK*

SMA N 1 Payangan – Bali, Indonesia *July 2019 – 2022*
Senior High School, Science Major