

NURUL IZZAH NURHIDAYAT

Fullstack Developer

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SUMMARY

Fresh Graduate in Informatics Engineering from Hasanuddin University (GPA 3.80/4.00), specializing in fullstack web development. Started in frontend development with React, Next.js, and TypeScript, then expanded into backend development with Node.js, Express.js, and Go, along with cloud infrastructure experience on Google Cloud Platform through Bangkit Academy 2024. Built solo, production-style fullstack projects end to end, from interface to database to deployment.

WORK EXPERIENCE

Frontend Developer, Internship

Center of Technology (CoT), Fakultas Teknik UNHAS, Gowa, Indonesia

Mar 2024 - Nov 2024

- Built internal management application interfaces using React and Ionic to digitalize internal administrative processes.
- Implemented responsive designs using Ionic Framework to optimize accessibility across mobile and web platforms.
- Integrated frontend components with REST APIs through team collaboration to ensure accurate user data synchronization.
- Performed routine interface testing and debugging to improve UX quality of developing systems.
- Managed code version control using Git and GitHub for organized technical collaboration within the development team.

Backend Developer, Bangkit Capstone Project

Bangkit Academy, Cloud Computing Track

2024

- Contributed backend development for Melali, a mobile travel itinerary application, as part of a 2-person cloud team.
- Implemented and integrated 6 RESTful API endpoints to support core application features.
- Deployed and managed services on Google Cloud Platform (App Engine), including logging and monitoring for system stability.

FEATURED PROJECTS

Solo Fullstack Developer, Fleet Management System

Client Project for a Freight Company, Makassar, Indonesia

2026

- Built a production-ready fleet and logistics management system from scratch, covering both frontend and backend development, for a real freight company client.
- Developed real-time GPS tracking with a checkpoint system, Redis-cached live position, and a public order-tracking page for customers.
- Designed 4-level role-based access control (RBAC) covering super_admin, admin_sales, and admin_ops, and a read-only demo roles for public walkthrough, secured with JWT authentication and middleware-validated Bearer tokens on all admin endpoints; login is rate-limited.
- Built the backend with Go using clean architecture (handler, usecase, repository layers), 36 REST API endpoints, and PostgreSQL across 7 database tables.
- Deployed the frontend on Vercel and backend on Render, containerized with Docker for consistent environments.
- Stack: Next.js, TypeScript, TailwindCSS, Go, PostgreSQL, Redis, Docker.

Solo Fullstack Developer, Indonesia Seismic Monitor

Independent Project

2026

- Built a real-time dashboard for monitoring seismic activity across Indonesia, combining live BMKG data with 6 months of USGS historical data to calculate a seismicity index per province.
- Developed a data pipeline that fetches and parses BMKG (XML) and USGS (GeoJSON) feeds, maps coordinates to provinces, and serves the result via a REST API with auto-refresh every 2 minutes.
- Built an interactive map with earthquake markers colored by magnitude, using React-Leaflet, with dark/light mode support.
- Stack: Go, Fiber, Next.js, TypeScript, TailwindCSS, TanStack Query, deployed on Vercel and Render.

EDUCATION

Bachelor of Informatics Engineering

Universitas Hasanuddin, Gowa, Indonesia

Aug 2021 - Feb 2026

GPA: 3.80 / 4.00

- Web Development and UI/UX: Designed Figma interfaces and implemented full-stack features using React to produce responsive, user-centric web applications.
- Bangkit Academy 2024, Cloud Computing: Completed 965 hours of structured learning across cloud, backend, and professional development, with an average score of 86.8 (mostly A grades) across 11 completed courses, including Google Cloud Engineer Learning Path and Applied Machine Learning for Cloud Engineer.

- Bachelor's Thesis, Neural Machine Translation for Ornithology: Fine-tuned and evaluated OPUS-MT and FLAN-T5 models on a 96,565-sentence English-Indonesian parallel corpus (CUB-200-2011), using grid search and freeze-layer optimization.
- Improved translation quality significantly over baseline: OPUS-MT reached a BLEU score of 85.90 (+50.97 points) and METEOR of 0.95 (+0.27); FLAN-T5 reached BLEU 63.67 (+42.81 points) and METEOR 0.85 (+0.29).

SKILLS

Frontend: JavaScript (ES6+), TypeScript, React, Next.js, TailwindCSS, HTML, CSS

Backend: Node.js, Express.js, Go, Fiber, Gin, Python, RESTful API Development

Database: PostgreSQL, MySQL, Redis

Cloud and Tools: Google Cloud Platform (GCP), Docker, Git, GitHub, Postman, Figma, Vercel

SOFT SKILLS

Problem Solving, Client Communication, Self-Directed Learning, Team Collaboration

LANGUAGES

Indonesian (Native), English (Professional Working Proficiency)

ORGANIZATIONAL EXPERIENCE

Member, Coder Institute

Universitas Hasanuddin, Gowa, Indonesia

Feb 2022 - Feb 2023

- Engaged in study group sessions transforming UI/UX design concepts into functional frontend implementations.
- Translated design references and wireframes into responsive, well-structured static and landing pages.

Member, Google Developer Student Club (GDSC)

Universitas Hasanuddin, Gowa, Indonesia

Oct 2022 – Aug 2023

- Participated in technical workshops, networking events, and collaborative projects to strengthen software development skills.

CERTIFICATIONS

Menjadi Google Cloud Engineer, Dicoding Indonesia (Bangkit Academy 2024)

Belajar Dasar AI, Dicoding Indonesia

Belajar Dasar Git dengan GitHub, Dicoding Indonesia