

Bright Misael Zega

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EDUCATION

College

Padjajaran University | *Geophysics* | Sumedang, Indonesia

(Aug 2023 – Present)

WORK EXPERIENCES

Betr Beta | Singapore, Singapore

React Developer (Mar 2024 – June 2024)

- Developed and maintained web applications using Next.js, ensuring efficient server-side rendering and optimal user experience.
- Utilized Cypress with Cucumber framework to write and run end-to-end tests.
- Integrated Firebase for user authentication, real-time data storage, and cloud functions.

Outlier | California, United States

Software Engineer for AI Training Data (Aug 2024 – April 2025)

- Completed 200+ AI training tasks involving attempts and reviews across multiple programming languages, including Python, JavaScript, Java, C++, PHP, C#, and Swift.
- Contributed to human-in-the-loop LLM training workflows in multi-stage roles including Attempter, Prompt Designer, Reviewer, and Senior Reviewer.
- Authored reference answers, performed senior-level reviews, and refined prompts to ensure accurate, consistent, and instruction-compliant LLM outputs.

PROJECT EXPERIENCES

Geotrap Event | Sumedang, Indonesia

Web Developer (May 2025 – July 2025)

- Developed a fully responsive and dynamic event website for the Geotrap 2025 competition using Next.Js, Typescript, and Tailwind CSS.

- Built clean, consistent UI with Tailwind CSS and implemented engaging scroll animations using Framer Motion.
- Collaborated with the media and event organizing teams to manage and present content effectively.

Padjajaran University | Sumedang, Indonesia

Web Developer (Nov 2025 – Nov 2025)

- Developed a web-based geophysical data analysis tool using Next.js (TypeScript) and FastAPI, integrated with Groq LLM API (Llama 3.1 8B) to assist magnetic data interpretation.
- Implemented automated statistical analysis (mean, standard deviation) using Pandas and generated AI-driven geophysical insights from uploaded CSV datasets.
- Enabled rapid and consistent preliminary interpretation, including early identification of high and low magnetic anomaly zones to support further geophysical surveys.

HIMA Geofisika PEDRA | Sumedang, Indonesia

Web Developer (Dec 2025 – Dec 2025)

- Designed and developed an e-voting web application using Next.js and TypeScript, implementing secure authentication for administrators and voters with Firebase Authentication.
- Built a real-time voting and results system utilizing Firebase Firestore, enabling instant data updates and transparent vote counting.
- Developed an admin dashboard to manage voter and candidate data, including creating, updating, and deleting records, with role-based access control.
- Implemented a responsive and modern user interface using Tailwind CSS, ensuring optimal usability across desktop and mobile devices.

ORGANIZATION

Head of Human Resources and Organizational Development | **HIMA Geofisika PEDRA** (*Feb 2025 – Dec 2025*)

- Facilitate training and development programs to enhance staff skills and competencies.
- Developed and mentored staff to ensure consistent performance in their roles and responsibilities.
- Conducted in-depth analysis of organizational issues to identify root causes and implement strategic solutions.
- Successfully facilitated 100% of 8 organizational programs and received a 100% performance evaluation in core duties and responsibilities.

SKILLS

- **Soft Skills:** Analytical Thinking, Problem Solving, Leadership, Teamwork
- **Programming Languages:** JavaScript, TypeScript, PHP, Python, Java, C++, C#, Swift
- **Web Development:** React, Next.js, Node.js, Tailwind CSS, Bootstrap

- **AI & LLM:** Human-in-the-Loop LLM Training, Prompt Design, Model Evaluation, Reference Answer Authoring
- **Testing:** End-to-End Testing with Cypress & Cucumber
- **Databases & Backend Services:** Firebase (Authentication, Firestore), SQL