Dicha Zelianivan Arkana

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WORK EXPERIENCE

Fullstack Web Developer   April 2024 — Present
PT. Global Scholarship Services Indonesia - Fulltime   *Bogor, Indonesia*

- Designed and implemented a CI/CD pipeline using GitHub Actions, reducing deployment time by 50%.
- Optimized website performance, increasing Lighthouse score from <70 to >95, enhancing user experience and SEO ranking.
- Refactored and resolved critical issues in the back-office application, such as fixing broken data synchronization, and optimizing workflow automation, improving staff efficiency due to reduced manual work.
- Maintained 99% uptime during peak hours by optimizing server configurations and database queries.
- Rewrote legacy finance system to a more robust system improving accuracy and reliability

Stack: Typescript, React, NextJS, PHP, Laravel, MySQL, NodeJS, Docker

Fullstack Web Developer   Jan 2023 — Apr 2023
PT. Healstation Indonesia - Freelance   *Indonesia*

- Developed a robust Content Management System (CMS) for a South Korean mobile app integrating car, camp car, and camping site rentals.
- Designed a scalable database schema, ensuring data consistency and efficient query performance.
- Implemented MySQL as the primary database and MinIO/S3 for object storage.
- Utilized Docker for both local development and production deployment, streamlining the development workflow.

Stack: Typescript, React, NextJS, MySQL, NodeJS, Docker

Frontend Web Developer   Jun 2022 — Aug 2022
Enam Dua Teknologi - Freelance   *Indonesia*

- Developed a Jira-like Task Management System for J99 Corp. Holding, improving internal workflow efficiency.
- Optimized UI performance using the Render-as-you-fetch pattern and Suspense to reduce significant load time.
- Applied Atomic Design principles to create modular and reusable UI components, enhancing development speed.
- Implemented real-time notifications via Server-Sent Events (SSE), improving task visibility for users.
- Translated Figma UI designs into an interactive React-based frontend, ensuring high design fidelity.

Stack: Typescript, React

PROJECTS

Mochimemo (mochimemo.elianiva.my.id)   Mar 2025 — Present

- Developed a Japanese learning platform with a personalized AI agent and SRS-based flashcards, enhancing language retention.
- Engineered an adaptive learning system that personalizes study sessions based on user performance and preference.

Stack: Typescript, React, SQLite

Jisho Lens (github.com/elianiva/jisho-lens)   Jun 2022 — Jun 2023

- Built a mobile app enabling users to scan Japanese words from images and retrieve dictionary meanings.
- Integrated OCR technology for accurate text recognition, improving translation accuracy.

Stack: Flutter, SQLite

Spectator (github.com/teknologi-umum/spectator)   Jun 2022 — Jun 2023

- Developed a browser-based coding exam platform similar to HackerRank, with integrated telemetry for emotion tracking.
- Enhanced user monitoring by implementing real-time tracking of facial expressions and engagement levels.

Stack: Typescript, React, Docker

EDUCATION

State Polytechnic of Malang   Malang
Bachelor's of Applied Science, Informatics Engineering   *Aug 2022 — Aug 2026*

- Cumulative GPA: 3.68/4.0
- Relevant Coursework: Data Structures and Algorithm, Software Engineering, Web Development, Project Management