

Dicha Arkana

Informatics Engineering Student - Freelancer

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Jember, East Java

SUMMARY

I'm an undergraduate studying at State Polytechnic of Malang who loves to do software engineering and keen to explore new things! I've been learning about software development mainly web related since 2019. My usual choice of tech is Typescript, React/Next, Solid, Svelte/Kit, and .NET, but I'm always open to explore new technologies!

EXPERIENCE

10/2023 - 10/2023

Backend Web Developer

Datasintesa ↗

- Create an API for a guest book system with notification using whatsapp and email
- Create an API for email broadcast feature
- Simplifying registration system and added a new role
- Create a search API for organisations
- Worked with an existing NestJS codebase

07/2023 - 09/2023

Fullstack Web Developer

Blocktogo ↗

- Uses SvelteKit to build a frontend for a custom oauth system
- Uses NestJS to build a backend for a custom oauth system
- Collaborate with other people using Gitlab
- Utilised Gitlab Action to automate deployment to the server

01/2023 - 04/2023

Fullstack Web Developer

PT HEALSTATION INDONESIA ↗

- Building Content Management System for a mobile South Korean mobile app that accommodates car, camp car, and camping site rent in one app.
- Designed the database schema along with other developer - Uses Next.js with Typescript, tRPC, Prisma, and Tailwind to maximise the development speed and user experience of the CMS
- Utilises MySQL as the database and MinIO/S3 as the object storage
- Using Docker for both local development setup and easy deployment solution

07/2022 - 03/2023

Frontend Web Developer

Cubix Branding Agency

- Developed three responsive websites for Artajasa, ATMBersama, and Bersama respectively based on the provided design on Figma
- Worked in team with 3 other developers using Github
- Uses NextJS with Typescript to provide type-safety when developing the website. Also uses SCSS, Stitches, and SCSS Module to style each of the websites.
- Applied ISR pattern to improve performance and uses SWR for easier data fetching on the client
- Integrate the data that comes from Laravel with Voyager CMS to the website to provide dynamic content
- Helped refactoring and fixing any bugs that occurred on both the frontend and backend

06/2022 - 08/2022

Frontend Web Developer

Enam Dua Teknologi ↗

- Developed a Task Management System for J99 Corp. Holding similar to Jira using React, React Hook Form, React Query, Typescript, and ChakraUI
- Applied Render-as-you-fetch pattern using Suspense to improve the User Experience of the app
- Applied Atomic Design in React to make sharing components easier
- Collaborate with other frontend and backend developers to build a task management system
- Implemented Figma UI design into an interactive React UI
- Uses SSE to implement notification feature

12/2021 - 10/2022

Fullstack Web Developer

Freelance

- Built a platform to do programming test similar to Codewars and HackerRank with multilingual support that also tracks the user activity such as mouse clicks, mouse movements, keystroke events, etc. since its main purpose is to collect data to be then used for research. Now published as [teknologi-umum/spectator](#)
- Collaborate with various developers using Git and Github
- Uses React with Typescript, Redux Toolkit, ChakraUI to build the frontend and utilised SignalR to send activity data to the ASP.NET Core backend. Used Vitest and React Testing Library to do unit test
- Helped developing the data calculation worker along with its unit test. The worker is written in Go and uses gRPC to communicate with the ASP.NET Core backend. It queries the data from InfluxDB and write the result to MinIO bucket as CSV and JSON.
- Made a video stream feature which streams video output from the webcam to ASP.NET Core backend through HTTP
- Assisted with developing the Remote Code Execution engine written in Typescript that uses gRPC to communicate with other services which then got open sourced as [teknologi-umum/pesto](#)
- Helped developing a dummy data generator using Python to generate thousand of fake user interaction activity data along with the unit test
- Used Docker to make it easier to develop and deploy each services

EDUCATION

2026

Information Technology

Politeknik Negeri Malang

Bachelor of Applied Science - BASc

SKILLS

Backend Development	Intermediate	Svelte/Kit	Intermediate
Frontend Development	Advanced	React/Next/Remix	Advanced
Typescript	Advanced		

LANGUAGES

Indonesian	Native	English	Fluent
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