

Albert

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PROFILE

I am a motivated student at ITB School of Electrical Engineering and Informatics, passionate about Software Engineering, Blockchain and Artificial Intelligence. I thrive on hard work, determination, and teamwork, with a strong focus on effective communication, continuous personal and professional growth.

WORK EXPERIENCE

Makmur Internship

Backend Engineer

July 2025 – September 2025

- Implemented **caching strategies** (Redis, in-memory) to improve system performance and reliability.
- Designed and developed backend features using **event-driven architecture and microservices**.
- Built and integrated **REST APIs** with external/internal services.

Fata Organa Internship

Full Stack Developer

July 2024 – November 2024

- Worked as part of a **team of 5 developers** to develop an online meeting application, utilizing **.NET for backend development** and **Next.js for the frontend**.
- Designed and implemented major features, including a **comprehensive reporting system** and a **data dashboard** for customers, enabling better insights and decision-making.

Lab Programming ITB

Programming Laboratory Assistant

Feb 2025 – Present

ORGANIZATIONAL EXPERIENCE

KAT ITB 2024

Backend Developer

July 2024 – September 2024

- Developed robust backend APIs using **trPC**, enabling seamless integration between frontend and backend systems..
- Designed and implemented **key features** including submission processing, score verification, and dynamic information retrieval, ensuring a smooth user experience.

Skill Up

Full-Stack Developer

March 2024 – October 2024

- Developed a dynamic web application using **Next.js**, **Tailwind CSS**, **TypeScript**, and **Chakra UI** to create a responsive and modern user interface.
- Designed and implemented key features for **course creation**, **quiz submission**, and **overall course management**, delivering comprehensive e-learning experience.
- Utilized **Firebase** as a database to efficiently store and manage application data.

ITB Fair 2024

Vice Director of Frontend Division

January 2024 – July 2024

- Utilize a frontend tech stack consisting of **Next.js**, **Tailwind CSS**, **TypeScript**, and **Chakra UI**.
- Led a **team of 12 developers** in the front-end development, creating visually appealing and intuitive interfaces that **improved user experience**.
- Ensured the **reliability** and **stability** of the website through testing and debugging, leading to a successful deployment with minimal issues.
- Played a key role in connecting pages created by the team to ensure a **cohesive** and **seamless website**, aligning closely with the original design specifications.

Parade Wisuda Oktober ITB (WISOKTO ITB 2023)

Frontend Web Developer

September 2023 – October 2023

- Develop web pages using **Next.js**, **Tailwind CSS**, and **TypeScript**.
- Utilize **Git skills** within an **agile** system, employing **Git pull requests** and **reviews** for collaborative development.
- Combine components** created by other developers into a single integrated page.
- Create a **responsive navigation bar** integrated across all pages.
- Assist** other developers in **creating components**, such as the navigation bar and mapping mechanisms.

EDUCATION

BANDUNG INSTITUTE OF TECHNOLOGY

School of Electrical Engineering and Informatics – Informatics Engineering (3.57 GPA / 102 Credits)

Bandung, Indonesia

2022-Present

SMAS SUTOMO 1

- Graduate with average scores (94,4/100)**
- Active in organizations**

Medan, Indonesia

SKILLS

- **Programming Languages:** Python, C#, C++, Golang , Java, JavaScript, TypeScript, HTML, CSS, PHP, Kotlin, Pandas, Ruby
- **Frontend Frameworks:** ReactJS, NextJS, ViteJs
- **Backend Frameworks:** ExpressJS, NodeJS, NestJs, Flask, Gin, Spring Boot, Laravel, .NET
- **Tools & Platforms:** AWS, Jira, Git, Midtrans, Docker, GraphQL, Kubernetes, Redis, AWS SQS, MongoDB
- **Languages:** Fluent in English, Indonesia, Hokkien and Intermediate in Chinese

PROJECTS

- **Hand** - Developed a mental health consultation website using Go for the backend, Next.js for the frontend, styled with Tailwind CSS, and PostgreSQL as the database. In this project I served as a Full-Stack developer. Access the repository <https://github.com/Hand-TBN1/hand-backend>
- **Sea Study** – Developed with Golang and Kotlin. In this project I served as a Backend developer. Access the repository <https://github.com/orgs/DevGo-Comfest/repositories>
- **Online Film Catalog** – Developed with NestJs, handlebar, PostgreSQL as the database and Cloudflare R2 for the storage.. I served as a Full-stack developer. Access the repository <https://github.com/AlbertChoe/Seleksi-Labpro>
- **Hyperlink Search** – Developed with Golang, Nextjs, Docker and TailwindCSS. In this project I served as a Full-stack developer. Access the repository https://github.com/ChaiGans/Tubes2_BarengApin
- **Job Finding Website** – Developed with Hono.Js for the backend, React for the frontend and SocketIO for the Websocket. IN this project I served as a Full-Stack Developer. Access the repository <https://github.com/Labpro-21/if-3310-2024-2-k02-17>
- **Fingerprint matching** – Developed with WPF and C#. In this project I served as a Full-stack developer. Access the repository https://github.com/AlbertChoe/Tubes3_apaKek

COURSES

- **PCAP: Programming Essentials in Python course, provided by Cisco** **September 2022 – December 2022**
Networking Academy@in collaboration with OpenEDG Python Institute

AWARD

- **3rd Place, IFEST Web Development Competition**
Organized by Universitas Padjajaran (UNPAD) – Recognized for developing an innovative and functional web application, showcasing proficiency in web development technologies and teamwork.