

# 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

**Fata Organa Internship**  
**Backend Developer**

July 2024 – Present

## ORGANIZATIONAL EXPERIENCE

**KAT ITB 2024**

**Backend Developer**

July 2024 – September 2024

- Developed backend APIs using **trRPC**, facilitating seamless communication between the frontend and backend services.

**SPARTA HMIF ITB 2024**

**Frontend Developer**

July 2024 – September 2024

**Skill Up**

**Full-Stack Developer**

March 2024 – Present

- Utilize a frontend tech stack consisting of **Next.js**, **Tailwind CSS**, **TypeScript**, and **Chakra UI**.
- Using **firebase** to build the backend of the website.

**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 April ITB (WISPRIL ITB 2023)**

**Frontend Web Developer**

February 2023 – April 2024

- 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.

**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.

**Amatur Radio Club ITB**

**Internal Relation Staff**

**Member**

July 2023 – July 2024

November 2022 – Present

- Developing web pages using **ReactJS** and **Bootstrap**.
- Planned** and **organized events** for the preparation of new students joining the club, ensuring a smooth and welcoming integration process.
- Developed and implemented strategies to enhance member engagement and participation, leading to **increased involvement** in club activities.
- Coordinated internal communications**, ensuring effective information within the club.

**Keluarga Mahasiswa Buddhis Dhammanano ITB (KMB ITB)**

**Internal Relation Staff**

**Member**

July 2023 – July 2024

August 2022 – Present

- Actively participated in the regeneration of PPAB ITB 2022, contributing to the **growth** and **development** of the organization.
- Built strong connections and networks between members, fostering a **supportive** and **collaborative** community.
- Planned** and **organized major events** for KMB ITB, ensuring successful execution and positive member engagement.

## EDUCATION

**BANDUNG INSTITUTE OF TECHNOLOGY**

**Bandung, Indonesia**

- **Relevant coursework :** Algorithm, Data Structure, Database, Statistics, Discrete Mathematics, Operation System and Organizational and Computer Architecture.

**SMAS SUTOMO 1**

Medan, Indonesia

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

**SKILLS**

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- **Programming Languages :** Python, C#, C++, Golang , Java, JavaScript, TypeScript, HTML, CSS, GNU Prolog, Pandas, Haskell
- **Frontend Frameworks :** ReactJS, NextJS, Tailwind CSS, Bootstrap, Chakra UI, Shadcn/ui
- **Backend Frameworks :** ExpressJS, NodeJS, MongoDB, Flask, Gin, Prisma ORM, SQLAlchemy
- **Languages :** Fluent in English, Indonesia, Hokkien and Intermediate in Chinese

**PROJECTS**

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- **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 and handlebar. I served as a Full-stack developer. Access the repository <https://github.com/AlbertChoe/Seleksi-Labpro>
- **Sea Salon** - Developed a comprehensive platform using Next.js, Shadcn UI, Tailwind CSS, Prisma, Cloudinary, PostgreSQL, and Aiven. This platform serves as a robust solution for salons to showcase and manage their branches efficiently. It also provides users with a seamless online reservation system, enhancing both customer experience and operational efficiency.
- **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](https://github.com/ChaiGans/Tubes2_BarengApin)
- **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\\_apakKek](https://github.com/AlbertChoe/Tubes3_apakKek)
- **MEDALS & TROPHIES** - Developed with NextJS, TailwindCSS, and TypeScript. Collaborative project where I served as the front-end developer. Access the repository [https://github.com/AlbertChoe/Milestone02\\_K13](https://github.com/AlbertChoe/Milestone02_K13)
- **CYBERPUNK 2077 BREACH PROTOCOL** – Developed with ReactJS, TailwindCSS, Javascript, Flask, Python. Individual project which included backend and frontend server. This project is integrating bruteforce algorithm to solve Breach Protocol problems. The repository could be accessed at [https://github.com/AlbertChoe/Tucil1\\_13522081](https://github.com/AlbertChoe/Tucil1_13522081)

**COURSES**

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**PCAP: Programming Essentials in Python course, provided by Cisco Networking Academy®in collaboration with OpenEDG Python Institute**

September 2022 – December 2022