

FILBERT

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PROFILE

Outgoing, Determine and Optimistic best characterize my approach to both life and learning. As an undergraduate at the Bandung Institute of Technology, I embrace a fervent desire to acquire knowledge and pursue new experiences. I see disorder not as an obstacle, but as an opportunity for personal and professional growth. Currently, my academic and career interests are focused on Software Engineering.

ORGANIZATIONAL EXPERIENCE

Skill Up

Web Development Staff

March 2024 – Present

- Develop and optimize web pages leveraging **Next.js**, **Tailwind CSS**, **shadcn/ui**, and **TypeScript** to create engaging and responsive designs.
- Enhance web development projects by integrating **fundamental** CSS techniques and **semantic** HTML.
- Proficiently use **Git**, managing code through **pull requests** and peer reviews to foster **collaborative** development.

ITB Fair

Front-end Web Developer Staff

Jan 2024 – March 2024

- Skillfully use **Next.js**, **Tailwind CSS**, and **Framer Motion** to build responsive and visually appealing Homepage.
- Ensure designs **seamlessly** adapt to all device sizes, enhancing user interaction and accessibility.

Comlabs-USDI ITB

Basic Programming Lab Assistant

September 2023 – December 2023

- **Instructed** and **mentored 60 students** across 5 practical modules, focusing on basic programming concepts and applications.
- Conducted detailed **reviews** and **corrections** of student code to ensure **understanding** and **adherence** to programming best practices.

Parade Wisuda Oktober ITB (WISOKTO ITB 2023)

Front-end Web Developer Staff

September 2023 – October 2023

- Develop web pages using **Next.js**, **Tailwind CSS**, and **TypeScript**.
- **Combine components** created by other developers into a single integrated page.
- **Assist** other developers in **creating components**, such as the navigation bar and mapping mechanisms.

Orientasi Studi Keluarga Mahasiswa : Spacefarers (OSKM ITB 2023)

Front-end Web Developer Staff

June 2023 – August 2023

- Developed a bug-free leaderboard page for 5,000 students, ensuring **high performance** and **reliability**
- Collaborated with the backend team to **integrate** using established procedures, including the implementation of **tRPC** for efficient data retrieval from the database.
- Employed a **robust** frontend technology stack that includes **Next.js**, **TypeScript**, and **Chakra UI**, coupled with **SSH** for secure operations and proficient use of **Git** for pull requests, merging, and code reviews.
- Implemented rigorous **daily scrums** to effectively monitor and advance the development team's progress.

EDUCATION

BANDUNG INSTITUTE OF TECHNOLOGY

School of Electrical Engineering and Informatics – Informatics Engineering (3.25 GPA / 63 Credits)

Bandung, Indonesia

2022-Present

- **Relevant coursework** : Algorithm and Data Structure, Algorithm Strategies, Operating System

SKILLS

- **Programming Languages** : Python, C, JavaScript, TypeScript, HTML, CSS, SQL, GNU Prolog, Java, C++
- **Frontend Frameworks** : ReactJS, NextJS, Tailwind CSS, Chakra UI, shadcn/ui, Framer motion
- **Backend Frameworks** : ExpressJS, NodeJS, MongoDB, PostgreSQL, Flask, Prisma, NextJS
- **Languages** : Fluent in English, Indonesia, Hokkien and Intermediate in Chinese
- **Tools** : Trello

PROJECTS

- **SEA-SALON , CINEMA APP** - Utilized Prisma, Next.js for frontend and backend; PostgreSQL hosted by Aiven; integrated Tailwind CSS for frontend development. Find it at <https://sea-salon-six.vercel.app/> and <https://cinema-app-inky.vercel.app/>
- **REAL-TIME CHAT APP** - Utilizing Next.js for frontend and backend; NextAuth.js for authentication; Drizzle for database management; Tailwind CSS for frontend styling; tRPC for type-safe communication; Socket.io for real-time messaging, PostgreSQL hosted by neon. Find it at <https://realtime-chat-app-ez.vercel.app/>
- **TO DO APP (WEB)** - Utilized Prisma, tRPC, and NextJS using t3 app template; PostgreSQL hosted by Aiven; using Tailwind CSS for frontend development. Find it at <https://to-do-app-ez.vercel.app/>
- **TO DO APP (MOBILE APP)** – Using Flutter and dart. Download The APK at https://drive.google.com/drive/folders/1ZpQScuVXd6t_pWbIl7eOBWkLL7GXQuGV?usp=sharing
- **PORTFOLIO WEBSITE** - Implemented as a frontend-only project using NextJS and TailwindCSS. Integrated email functionality via FormSubmit. Repository available <https://filbert-portfolio.vercel.app/>
- **Wiki Racer** - Developed a project using a tech stack that includes Next.js, TailwindCSS, and TypeScript for the frontend, Golang for the backend, Docker for containerization, and PostgreSQL for the database. Access the repository https://github.com/Filbert88/Tubes2_GoPat

- **CYBERPUNK 2077 BREACH PROTOCOL** – Developed with NextJS, TailwindCSS, Javascript, Flask, Python. Individual project which included backend and frontend server. This project is integrating brute force algorithm to solve Breach Protocol problems. The repository could be accessed at https://github.com/Filbert88/Tucil1_13522021