

Bernardus Willson

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PROFILE SUMMARY

I'm an undergraduate Computer Science student from the School of Electrical Engineering and Informatics at Bandung Institute of Technology. I'm currently in my 6th semester and interested in computer-related things such as web development and software development. I consistently seek opportunities to develop my soft and hard skills through volunteers, committees, and projects.

EDUCATION

BANDUNG INSTITUTE OF TECHNOLOGY
Informatics Engineering

Bandung
July 2021 – June 2025

SMAK IPEKA PURI
Science

Jakarta
July 2018 - July 2021

EXPERIENCES

INFORMATIKA ITB

Bandung

Computational Engineering Laboratory Assistant

August 2023 – December 2024

- Selected from 60+ applicants and chosen as ITB Linear Algebra and Geometry Course Assistant, Discrete Mathematics, and Algorithm Strategy
- Responsible for creating specifications for class projects, assisting lecturers in supervising exams, and assessing quiz results.
- Skills: Linear Algebra and Geometry · Algorithm Strategy · Formal Language Theory and Automata · Discrete Mathematics · Probability and Statistic

SOCIETY OF RENEWABLE ENERGY ITB (SRE ITB)

Bandung

Director of IT Development

June 2023 – June 2024

- Positioned as the Director of IT Development in SRE ITB.
- Positioned as the Manager of IT in IYREF.
- Responsible for developing and maintaining the websites of SRE ITB and IYREF and overseeing a team of 6 members.
- Skills: Next.js · MySQL · Tailwind CSS · Project Management · Express.js · User Interface Design

PARADE WISUDA APRIL ITB 2023

Bandung

Head of Software Engineer

February 2023 – May 2023

- Positioned as the Head of Front-End Engineer in Parade Wisuda April ITB 2023.
- Responsible for developing Parade Wisuda April ITB 2023 's website (Front End) and overseeing a team of 11 members.
- Skills: Next.js · Tailwind CSS · Front-End Development

ARKAVIDIA 8.0

Bandung

Software Engineer Staff

September 2022 – February 2023

- Positioned as the Front-End Staff in Arkavidia 8.0.
- Responsible for developing Arkavidia 8.0 's website (Front End).
- Skills: React.js · Tailwind CSS · Front-End Development

PARADE WISUDA JULI ITB 2022

Bandung

Human Resource Staff

June 2022 – August 2022

- Positioned as the Human Resource Staff in Parade Wisuda Juli ITB 2022.
- Responsible for managing, supervising, and providing evaluations to the committee members in Parade Wisuda Juli ITB 2022.
- Skills: Human Resources (HR)

PROJECTS

SOCIETY OF RENEWABLE ENERGY ITB & IYREF WEBSITE

July 2023

- Developing and maintaining a web application showcasing the profile of the Society Renewable Energy ITB and IYREF, featuring detailed information and the latest updates (Next.js, Tailwind CSS).
- Link:
 1. <https://github.com/bernarduswillson/SRE-ITB-frontend>
 2. <https://github.com/bernarduswillson/SRE-ITB-backend>

PARADE WISUDA APRIL ITB FRONT END WEBSITE

February 2023

- Developing a web application for the graduating students, showcasing information about the April ITB 2023 graduation, including an exhibition of the students' final projects (Next.js and Tailwind CSS).
- Link: <https://github.com/bernarduswillson/WisudaApril2023-frontend>

ARKAVIDIA 8.0 FRONT END WEBSITE

September 2022

- Developing a web application that provides information about an IT competition, including registration details and other relevant information (Next.js and Tailwind CSS).
- Link: <https://github.com/bernarduswillson/arkavidia-frontend-8.0>

TOCO

November 2023

- Developing a web application designed to assist users in learning a new language by providing learning materials and practice exercises.
- Link:
 1. <https://github.com/bernarduswillson/toco-app> (PHP, MySQL)
 2. <https://github.com/bernarduswillson/toco-spa> (React.js, Tailwind CSS)
 3. <https://github.com/bernarduswillson/toco-rest> (Express.js, Prisma, PostgreSQL)
 4. <https://github.com/bernarduswillson/toco-soap> (JAX-WS)
 5. <https://github.com/bernarduswillson/toco-config> (Docker)

SIMPLE CHATGPT

April 2023

- Developing a chat bot website using KMP & BM algorithm, Regex, and Levenshtein algorithm (Next.js, Tailwind CSS, Golang, PostgreSQL).
- Link:
 1. https://github.com/bernarduswillson/MeChat_FE
 2. https://github.com/bernarduswillson/MeChat_BE

DERMATICA AI

July 2023

- Developing an Android application that can detect skin diseases, consult with a bot, and provide the latest news on skin conditions (Flutter, Firebase).
- Link: <https://github.com/bernarduswillson/DermaticaAI>

BUSINESS MANAGEMENT APPLICATION

April 2023

- Developing a business management application with Object-Oriented Programming approach (JavaFX).
- Link: <https://github.com/bernarduswillson/BM-App>

FACE RECOGNITION PROGRAM

November 2022

- Developing a face recognition program using eigenfaces algorithm (Python).
- Link: <https://github.com/bernarduswillson/Face-Recognition>

ADDITIONAL INFORMATION

- Technical Skills: Python, C#, C++, C, Go, Java, Prolog, Haskell, PHP, HTML5, CSS, JavaScript, TypeScript, Next.js, Tailwind CSS, React.js, Express.js, Prisma, REST APIs, SOAP, Project Management, Flutter, Vercel, MySQL, MariaDB, SQLite, PostgreSQL, Pandas, Figma, Trello.
- Languages: English, Indonesia
- Link GitHub: <https://github.com/bernarduswillson>
- Portfolio Website: <https://bewe.vercel.app>