

Bernardus Willson

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EDUCATION

BANDUNG INSTITUTE OF TECHNOLOGY

Bachelor of Engineering - Informatics Engineering

Last GPA: 3.47

Bandung

July 2021 – June 2025

EXPERIENCES

CHAROEN POKPHAND INDONESIA

Software Engineer Intern

Jakarta

July 2023 – September 2024

- Continued the development of an attendance application by adding and modifying features to prevent employee fraud, aligning with the new system design using React Native, and developed a face recognition system using Python.
- Developed a website for a customer lottery using React, Express, and MySQL, and built an OCR system for reading ID card images and shopping receipts using Python.

INFORMATIKA ITB

Computational Engineering Laboratory Assistant

Bandung

August 2023 – December 2024

- Assisted in courses: Linear Algebra, Geometry, Discrete Mathematics, Algorithm Strategy.
- Crafted project specifications, supervised exams, and evaluated quizzes.

SOCIETY OF RENEWABLE ENERGY ITB (SRE ITB)

Director of IT Development

Bandung

June 2023 – June 2024

- Led a team of 6, concurrently served as IT Manager at IYREF.
- Developed and maintained a web application using Next.js, Tailwind CSS, Express.js, MySQL.

PARADE WISUDA APRIL ITB 2023

Head of Frontend Engineer

Bandung

February 2023 – May 2023

- Led a team of 11 to develop a graduation information web application using Next.js and Tailwind CSS

ARKAVIDIA 8.0

Software Engineer Staff

Bandung

September 2022 – February 2023

- Developed an IT competition web application using Next.js and Tailwind CSS.

PROJECTS

TOCO

November 2023

- A web application designed to assist users in learning a new language by providing learning materials and practice exercises (PHP, MySQL, React.js, Tailwind CSS, Express.js, Prisma, PostgreSQL, JAX-WS, Docker).

SWEEPIN

February 2024

- A web application developed in five sprints to manage employee attendance at ITB (Next.js, Tailwind CSS, Express.js, Prisma, MySQL, Jest).

BONDOMAN

April 2024

- A financial management wallet app that tracks income, expense, and saving transactions (Kotlin).

DERMATICAI

July 2023

- An Android application that can detect skin diseases, consult with a bot, and provide the latest news on skin conditions (Flutter, Firebase, LangChain, Google Cloud Platform, TensorFlow).

BUSINESS MANAGEMENT APPLICATION

April 2023

- A business management application with Object-Oriented Programming approach (JavaFX).

ADDITIONAL INFORMATION

- Programming Languages: Python, C#, C++, C, Go, Java, JavaScript, TypeScript, Prolog, Haskell.
- App Development: Docker, PHP, HTML5, CSS, Next.js, React.js, Tailwind CSS, Express.js, Prisma, REST APIs, SOAP, Flutter, Kotlin, React Native, PyQt, Tkinter, JavaFX, MySQL, MariaDB, SQLite, PostgreSQL, Pandas, Jest, Selenium.
- Tools: Git, cPanel, Vercel, Figma, Trello, Jira, Odoo.
- Languages: English, Indonesia.
- GitHub: <https://github.com/bernarduswillson>
- Portfolio Website: <https://bewe.vercel.app>