

# William Kurniawan

## Software Engineer

Jawa Timur, Indonesia • [williamk19.com](https://williamk19.com) • [linkedin.com/in/williamk19](https://linkedin.com/in/williamk19) • [github.com/williamk19](https://github.com/williamk19)

Fresh graduate software engineering student from Institut Teknologi Telkom Surabaya. Having a good knowledge about Web Development. Currently studying Frontend Engineering with React.js and Next.js, and Backend Development using Laravel. Have some experience working in a team with software development methodologies like Agile Scrum and Kanban Style. Want to learn more about other frontend technologies in the future and collaborate on open source projects.

### WORK EXPERIENCE

#### PT. Dipo Star Finance

September 2023 – Present

Associate Software Engineer

- Implement and develop microservices solutions with Python, FastAPI, and Redis for optimal performance.
- Transformed UI design to dynamic frontend application with Next.js.

#### PT. PasarPolis Indonesia

May 2022 – August 2022

Software Engineer Intern (Frontend)

- Develop and manage reusable components throughout the frontend web application.
- Learn Next.js and other libraries to support web application development and performance.
- Work on several bug fixes to improve user experience.

#### IT Telkom Surabaya

June 2021 – October 2022

Research Assistant

- Develop management system for students internship at IT Telkom Surabaya using codeigniter 4 framework.
- Develop and implement AI software to maintain physical distancing among Dalegan Beach visitors using Python, Yolo, NVIDIA Jetson Nano.

### EDUCATION

#### Institut Teknologi Telkom Surabaya

Surabaya, Indonesia

Bachelor of Computer in Software Engineering (S.Kom.); GPA: 3.98

Sep. 2019 - Mar. 2023

- Frontend Mentor of Web Dev Workshop (WAOW S3) by CODER IT Telkom Surabaya.
- Coordinator of competitive programming division for CODER IT Telkom Surabaya.
- Participate in internal activities (LKTI, Sport Competition, and Competition Organizer).

### LATEST PROJECT

#### TRVLX

<https://trvlx.williamk19.com>

Implemented Travel Booking System using Laravel and React (Inertia). This application is also implemented with pick-up and drop-off point selection features using Geographical Information System libraries. There was some additional feature for map routing optimization using nearest neighbor algorithm and Midtrans payment gateway.

### SKILLS

**Programming Language**  
**Framework**

: HTML, CSS, JavaScript, Python, PHP

: React.js, Next.js, FastAPI, Laravel, Flutter