

TEGUH SETIAWAN

Phone: +6282170175392 | Email: teguh.elektro16@gmail.com | LinkedIn: <https://www.linkedin.com/in/teguh-setiawan-7675b315a> | Website: <https://teguh-setiawan.com>

Summary

A programmer with over 4 years of experience in web development in renewable energy and customs. Proficient in JavaScript, Python, and C/C++ with expertise in Angular, React, Express, and Flask. Ready to contribute to a team or work individually.

Work Experience

Canopy Power

Full-Stack Developer

Singapore

April 2021 - Present

- Developed new features and improved existing features in the Hornbill portal for monitoring renewable energy sites using Angular, Flask (Python), PostgreSQL, and AWS.
- The application is used at 32 sites in Southeast Asia, Maldives, and India.
- Monitored a total renewable energy capacity of 63.1MW across all sites.
- Built a website with Nuxt.
- Visualized a PV floating in 2D using Konva.
- Developed a multilingual web app using i18n.
- Acquired real-time data from various sources (hardware logs, APIs, CSV files).

Nashta Global Utama

Frontend Programmer

Depok, West Java, Indonesia

January 2020 - April 2021

- Developed User Interfaces (UI) and integrated APIs into the frontend of the CEISA Customs application using the React JS Framework.
- The application is used by all users in Indonesia.
- Implemented Microfrontend architecture.
- Generated input fields from JSON.
- Validated input fields using Formik.

Education

Politeknik Caltex Riau

Bachelor of Electronics and Telecommunications | GPA: 3.41

Pekanbaru, Riau, Indonesia

August 2014 - November 2018

- Designed and built a device to enhance the efficiency of solar cells using the Maximum Power Point Tracking (MPPT) algorithm, using Arduino, programmed with C++, and analyzed data using Matlab.

Skills

- **Programming Languages:** JavaScript, Python, C, C++
- **Frameworks:** Angular, React, Express, Flask, Nuxt
- **Databases:** PostgreSQL, MySQL, MongoDB
- **Other Technologies:** AWS, Node.js, Matlab, Arduino