

# Yehezkiel David Setiawan

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## OBJECTIVE

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Ambitious computer science student deeply passionate about fullstack web development. Dedicated to pushing the boundaries of web development and crafting innovative solutions. My commitment to excellence is demonstrated through my hands-on experience completing eight projects, highlighting proficiency in fullstack development. These projects showcase my ability to design engaging user interfaces and architect strong backend systems. I am excited to contribute my skills and knowledge to dynamic projects that challenge and inspire continuous growth.

## EDUCATION

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### MARANATHA CHRISTIAN UNIVERSITY

Bandung, Indonesia

*Bachelor of Science: Computer Science*

2021 - 2025

- GPA: 3.96/4.00

## WORK EXPERIENCE

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### WIT.ID

Bandung, Indonesia

#### INTERNSHIP – FULLSTACK

09/23 – 06/24

**Expertise: Laravel & Golang**

<https://github.com/06202003/PublicAPIInventory>

- Migration from Golang to Laravel
- Rebuild WIT internal system (WSys) with microservices (REST API)
- Add several features (attendance system, employee leave request system, automatic curriculum vitae system, inventory management system, and project management system)
- Migrate inventory feature from golang
- Creating of Project Management System (1:1 Trello)
- Implemented comprehensive test cases using Postman to validate the functionality and reliability of the REST API.
- Became the Head of Backend for all backend interns

### Maranatha Christian University

Bandung, Indonesia

#### LABORATORIUMSTAFF

##### Software Engineering Lab Admin

01/24 – 06/24

- Ensure 150 computer labs function properly and regularly.
- Checking and maintaining existing hardware and software, as well as ensuring the availability of necessary equipment.
- Ensure safe and ethical use, manage access and restrictions, and maintain data security and privacy.

##### Staff

01/23 – 01/24

- Ensure 150 computer labs function properly and regularly.

## **LECTURER ASSISTANCE**

### **Machine Learning**

02/24 – 06/24

- Organize and guide students through 14 hands-on practical sessions, each of which focuses on machine learning concepts.
- Give students a deep understanding of model structures, algorithms, and data with Sci-kit Learn and Pandas.
- Through real-world scenarios, students will apply their knowledge to manage data and model it, then apply it to the algorithm.

### **Advanced Web Programming**

02/24 – 06/24

- The emphasis on practical exercises ensures that students develop the skills needed for web development and database management through experiential learning.
- This lab covers a wide range of topics, combining basic backend principles and advanced http protocols.
- Allowing students to apply theoretical knowledge in real-world scenarios using PHP and Javascript, including Laravel and Express.js.

### **Introduction to Programming**

02/24 – 06/24

- Organize and guide students through 14 hands-on lab sessions. These practical sessions complement theoretical learning, allowing students to apply concepts in a tangible manner.
- Labs cover Python basics.
- The emphasis on practical exercises ensures that students develop the skills needed for programming through experiential learning.

### **Advanced Database**

02/23 – 06/23

- Organize and guide students through 14 hands-on lab sessions, each focusing on advanced database concepts.
- Provide students with a deep understanding of intricate database structures, optimization techniques, and advanced query languages.
- Through real-world scenarios, students will apply their knowledge to design and manage sophisticated database systems.
- Enhancing their practical skills alongside theoretical comprehension.

### **Computer Network**

09/22 – 01/23 & 09/23 – 01/24

- Organize and guide students through 14 hands-on lab sessions designed to immerse students in the practical aspects of networking, utilize Cisco Packet Tracer as a key tool.
- These labs cover a range of topics, incorporating both fundamental principles and advanced protocols.
- Allowing students to apply theoretical knowledge in real-world scenarios using the Cisco Packet Tracer simulation environment.
- Throughout these sessions, students gain practical experience in configuring routers, switches, and other network devices, mimicking real-world network setups.

### **Basic Web Programming**

09/22 – 01/23 & 09/23 – 01/24

- Organize and guide students through 14 hands-on lab sessions. These practical sessions complement theoretical learning, allowing students to apply concepts in a tangible manner.
- Labs cover HTML, CSS, and JavaScript, enabling students to create interactive and visually appealing web applications.
- The emphasis on practical exercises ensures that students develop the skills needed for web development through experiential learning.

## **ORGANIZATION EXPERIENCE**

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### **Maranatha Christian University FACULTY STUDENT SENATE**

Bandung, Indonesia  
02/23 – 12/23

#### **President**

- Manage 14 programs of student activities in the Faculty
- Lead, coordinate, control and monitor the implementation of policies and programs in each field.
- Representing SEMAFIT in external relations or with other parties. Collaborating with Google Developer Group, IBM, Red Hat, Amazon Web Services, WIT.ID, IT BCA, CTI Corporation.
- Taking strategic steps for the smooth and successful implementation of organizational tasks.

### **Google Developer Group GOOGLE DEVFEST**

Bandung, Indonesia  
12/23

#### **Person in Charge of the University**

- Manage the annual Google Developer Group program
- Coordinate, control and monitor the implementation of Google Devfest
- Represent SEMAFIT in external relations or with other parties. Collaborate with the Google Developer Group.
- Take strategic steps for the smooth and successful implementation of organizational tasks.

### **IEEE ICE-SMARTECH**

Bandung, Indonesia  
06/23

#### **VIP usher & Parallel Session Organizer**

- VIP Guest usher
- Manage and organize parallel sessions.
- Coordinate, control and monitor the implementation of Google Devfest.

## **PUBLICATION**

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### **KONSTELASI 2024**

#### **Transformasi Ekosistem Digital melalui Implementasi Super App untuk Meningkatkan Administrasi Kantor**

Publisher : KONSTELASI (Atma Jaya University Yogyakarta) Vol. 4 No. 1 (2024)  
DOI : [doi.org/10.24002/konstelasi.v4i1.9179](https://doi.org/10.24002/konstelasi.v4i1.9179)

### **IEEE TALE International Conference 2023**

#### **Plagiarism and AI Assistance Misuse in Web Programming: Unfair Benefits and Characteristics**

Publisher : IEEE (Auckland, New Zealand)  
ISBN : 978-1-6654-5331-8  
DOI : [doi.org/10.1109/TALE56641.2023.10398397](https://doi.org/10.1109/TALE56641.2023.10398397)

## **PROJECT**

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### **Backend Web Project**

#### **Perwalian**

06/23

Final Assignment Advanced Web Programming  
Grade : 100/100

[github/ProjectUASPWL](https://github.com/ProjectUASPWL)

## ACHIEVEMENT

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### Fullstack Web Competition

#### Green Mobility Hub

08/24

Web Development

Satya Wacana Christian University

[1<sup>th</sup> Place](#)

A web application that provides a service to exchange carbon credits for shopping vouchers. The website was developed within just 12 hours.

[github.com/IFMCU/GreenMobilityHub](https://github.com/IFMCU/GreenMobilityHub)

[github.com/IFMCU/GreenMobilityHub-Admin](https://github.com/IFMCU/GreenMobilityHub-Admin)

#### UnivAssist

08/23

Web Development

Satya Wacana Christian University

[4<sup>th</sup> Place](#)

Web application that offers rental services for boarding houses, laptops and lecture books as a very meaningful solution for students. This website was built in just 12 hours

[github/UnivAssist](https://github.com/UnivAssist)

### Business Plan Competition

#### AgriSense

06/24

Business Plan

Tarumanagara University

[3<sup>th</sup> Place](#)

An innovative platform for agricultural monitoring based on AIOT (Artificial Intelligence of Things). Platform to improve sustainable agricultural practices in Indonesia.

### Frontend Web Competition

#### KulitAbdi

03/23

Web Design Competition

Atma Jaya University Yogyakarta

[Top 5 finalist](#)

Leather fashion web application that has developed by creating its ecommerce website using 3D media.

<https://kulitabdico.netlify.app/>

#### Credition

04/22

Web Design Competition

Atma Jaya University Yogyakarta

[3<sup>rd</sup> Place](#)

Web Design prototype that serves credible information search and hoax reporting services.

<https://creditionwdc.netlify.app/>

## CERTIFICATION

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### AWS ACADEMY GRADUATE – Amazon Web Service

AWS Academy Introduction to Cloud Semester 2

06/23

[Credentials](#)

AWS Academy Introduction to Cloud Semester 1

06/22

[Credentials](#)

## SKILLS

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- **Languages** : Indonesia (Native), English (Intermediate)
- **Soft skill** : Teamwork, Communication, Problem Solving
- **Hard skill** : HTML, CSS, Javascript, Go, PHP, MySQL
- **Framework** : Bootstrap, Tailwind, React JS, Laravel
- **Technologies** : Git, Postman, MySQL Workbench