

## **Gilbert Zaini**

Tangerang Regency, Banten, Indonesia, 15334 | +62 82278678736 | [gilbertzaini03@gmail.com](mailto:gilbertzaini03@gmail.com)

A computer engineering student with a passion for bridging the gap between hardware and software. Having expertise in both IoT development and web development, which is proved by the experiences of successfully designing hardware components and developing various full-stack web applications, with some having integrated AI models.

## **Experience**

---

**PT. Kurnia Ciptamoda Gemilang** | February 2024 – June 2024

### **Web Developer Intern**

- Migrated 12 menus from the legacy KCG system to the new web application built with Angular
- Developed the back-end for KCG Helpdesk with Express.js and MySQL
- Took part in developing the front-end for KCG Helpdesk

## **Projects**

---

**MySalak (EPICS in IEEE)** | January 2024 – Present

### **Software Developer**

- Designed the initial IoT's schematic diagram
- Took part in farm mapping using drone
- Labelled the drone dataset
- Developed the front-end of MySalak PWA with React and ChakraUI
- Integrated the AI Model with TensorFlowJs

**NemaAPP** | November 2023 – January 2024

### **Back End Developer**

- Developed the application using Flask
- Integrated the AI Model
- Made bash scripts to install and run the application locally in MacOS
- Made batch scripts to install and run the application locally in Windows

**DiTag** | September 2023 – December 2023

### **Full Stack IoT Developer**

- Designed the hardware wiring
- Took part in assembling the device
- Programmed the ESP32
- Developed the front-end using React.js and ChakraUI
- Developed the back-end using Express.js, Sequelize, MySQL, and WebSocket
- Implemented MQTT communication protocol both on the website and the device
- Deployed the webapp using cPanel

**SIKEBAS Pamulang 25** | June 2023 – November 2023

### **Full Stack Developer**

- Administered the MySQL database
- Developed migrations, models, controllers, and middlewares in Laravel
- Implemented data rendering from the database to the view
- Developed the front-end using Laravel Blade templates

## Organization

---

**STUKM UMN 2023** | May 2023 – December 2023

### Lead Web Developer

- Initialized the website project using React.js, Express.js, and ChakraUI
- Coordinated the execution of the project within the team and with other division
- Distributed the workload to the team members based on the individual's ability
- Developed the voting form and its related APIs
- Handled the authentication, authorization, and session management
- Deployed the website using cPanel

**Mr. & Ms. UMN 2023** | March 2023 – November 2023

### Web Developer

- Developed “sponsor” and “media partner” page layout
- Developed “candidates” component
- Developed “gallery” layout
- Developed “Pancala” page

## Education

---

### B. Eng in Computer Engineering

Expected Graduation Date: June 2025

Institution: Universitas Multimedia Nusantara

Current GPA: 3.74/4.0

## Skills

---

### Hard Skills:

- |              |              |
|--------------|--------------|
| • HTML       | • React.js   |
| • CSS        | • Next.js    |
| • JavaScript | • Laravel    |
| • TypeScript | • Angular    |
| • PHP        | • Express.js |
| • SQL        | • Flask      |
| • C          | • Bootstrap  |
| • Java       | • Tailwind   |
| • Python     | • ChakraUI   |

### Soft skills:

- Communication
- Problem Solving
- Critical Thinking
- Leadership
- Time Management

## Certifications

---

### EF SET English Certificate 81/100 (C2 Proficient)

Issuing Organization: EF Standard English Test (EF SET)

Date Earned: October 2023

## Languages

---

- **Bahasa Indonesia - Native**
- **English - Proficient**