

MUHAMMAD NAJWAN SULVADLI

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Bojong Kulur, Kabupaten Bogor

Asia e University student working as a freelance programmer for the Adhi Karya project through collaboration with PT TAS and academic supervisors. Experienced in software development using various programming languages, excelling in team collaboration and individual work. Passionate about creating efficient and innovative solutions to make a significant impact in the field of technology.

Work Experiences

PT TAS - Vendor for PT Adhi Karya – Jakarta, Indonesia

Jan 2024 – Present

Programmer Freelance / Project-Based

- Designed and developed automation plugins for cost calculations and safety equipment visualization in Autodesk Revit, supporting PT Adhi Karya's construction projects.
- Improved efficiency of BIM Modeller and QHSE teams by up to 80% through technical solutions based on visual programming.
- Integrated visual programming to simplify cost calculation and safety equipment visualization processes.
- Successfully implemented DBMS in PT Adhi Karya's admin dashboard web application to manage safety equipment price data effectively and efficiently.

Honeywell Connected Laboratory UI – Depok, Indonesia

Jun 2023 – Aug 2023

Laboratory assistant / Assistant lecturer

- Developed automated control systems using Programmable Logic Controller (PLC) to enhance laboratory performance efficiency.
- Integrated Internet of Things (IoT) in industrial equipment maintenance processes to monitor equipment health in real-time.
- Successfully implemented a web-based system integrated with IoT for visual industrial equipment maintenance.
- Managed and configured Linux-based systems to support laboratory operations.

Education Level

Asia e University (AeU), School of Science & Technology – Selangor, Malaysia

Sep 2021 – Sep 2025 (Expected)

Bachelor Degree in Information Communication and technology

- Developed object-oriented programming skills in Java and C++, focusing on software design and development.
- Completed academic projects, including an IoT-based final project integrated with a mobile web app.

Universitas Indonesia, CEP-CCIT Faculty of Engineering – Depok, Indonesia

Sep 2021 – Sep 2023

Associate Degree in Information Technology – Internet Based System Automation: CGPA: 3.83 / 4.00

- Acquired experience in Internet of Things (IoT) technology, including sensor networks, embedded systems, and cloud computing.
- Configured and designed networking devices, including routers and switches using Cisco Packet Tracer.
- Learned Android application development using Java and Kotlin in Android Studio.
- Developed websites integrated with Database Management Systems (DBMS) using frameworks like Laravel and CodeIgniter.

Achievement:

- Best Graduate in TI – Internet-based System Automation, 2024.

Professional Experience

Research Club Mentor – Mentari Intercultural School Jakarta – Jakarta, Indonesia Sep 2024 – Present

- Guided students in developing innovative projects in the Internet of Things (IoT) and software engineering fields.
- Provided technical training and foundational concepts in programming and IoT-based application development.
- Supported students in research, design, and implementation of technology-based projects.
- Directed students in presenting their projects at school and national-level technology events and competitions.

Assistant Lecturer – Office Staff Training, University of Indonesia – Depok, Indonesia Jul 2023 – Aug 2023

- Successfully assisted 30 participants from the administrative staff of the University of Indonesia.
- Supported lecturers in helping participants learn Microsoft Office tools, including Word, Excel, and PowerPoint.

Programming Team – Autonomous Unmanned Aerial Vehicle (AUAV) UI – Depok, Indonesia Jan 2023 – Jan 2024

- Member of the programming team at AUAV, Universitas Indonesia, working on fixed-wing aircraft.
- Successfully implemented AI-based object recognition systems for visual-based applications.

Student Contract – Cisco Networking Academy – Depok, Indonesia Sep 2022 – Des 2022

- Participated in all training activities at the Cisco Networking Academy, Faculty of Engineering UI.
- Studied IoT Fundamentals: Big Data & Analytics, IoT Security & Connecting Things.

Assistant Lecturer – Badiklat IoT Pusdiklat Tekfunghan Kemhan – Jakarta, Indonesia Oct 2022 – Nov 2022

- Successfully assisted 43 participants in IoT device training with ESP, Arduino, Microcontrollers, Actuators, Sensors, and various IoT-based applications (Blynk, Thingspeak, Thinger.io).
- Supported lecturers in guiding participants in learning IoT and programming.

Assistant Lecturer – Python training for Unsurya students – Depok, Indonesia Aug 2022 – Sep 2022

- Successfully assisted 30 participants from Suryadarma University.
- Guided participants in learning Python programming using PyCharm.

Skills

- **Technical skills:** Internet of Things (IoT), Arduino, Virtual machine, Linux, Android, Object Oriented Programming (OOP), Bahasa Pemrograman (Java, Python, C++, Kotlin), Google common product, Corel Draw, Vegas, Cisco Packet Tracer.
- **Soft skills:** Teamwork collaboration, Problem solving, Time management and organization, Adaptability and flexibility, Leadership and management and Active listening.
- **Language:** Bahasa Indonesia (native), Bahasa Inggris (fluent).