

William Theodorus Wijaya

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A passionate Data Science and Software Development Enthusiast with expertise in Artificial Intelligence, Software Engineering, and full-stack capabilities in both frontend and backend technologies.

PROFESSIONAL EXPERIENCE

Bina Nusantara University, Bandung, Indonesia

February 2024 – January 2025

Junior Part-time Laboratory Assistant

- Served as a **part-time assistant lecturer** at **Binus Bandung**, teaching **Introduction to Programming with Java** (covering **basic Java programming** and the **four pillars of OOP**) and **Algorithms & Programming** to **100 students** across **Computer Science and Creativepreneurship** programs.
- Designed **competitive programming problems** as weekly tasks for the **Online Judge platform**.
- Developed **final exam practicum cases** for **Introduction to Programming** and **Algorithms & Programming** courses.
- Acquired expertise in **Computational Biology, Scientific Computing, and Natural Language Processing (NLP)** through **post-training certification**, qualifying to teach these subjects.
- Specialized in **Web Design, Web Programming (Laravel), Basic Computer Networks, Database Design & Analytics (SQL), JavaFX, Java Design Patterns (Refactoring Guru), Algorithms & Data Structures**, qualifying to teach these subjects.

Bina Nusantara Computer Club

July 2024 – Present

Activist and Staff

- **BNCC Elite Team:** Represented BNCC in programming competitions, serving in the Web Programming division during my first year and currently in the Data Mining division in my second year.
- **Research and Development Staff:** Applied SDLC principles while collaborating in a team to develop software solutions. Worked with *NextJS, ReactJS, NodeJS, and ExpressJS* to build applications addressing real-world problems.
- **Learning and Training Staff:** Managed the operations of backend and mobile programming bootcamp classes, ensuring smooth learning experiences for participants.

EDUCATION

Bina Nusantara University, Bandung–Jakarta, Indonesia
Bachelor's Degree, Computer Science
GPA : 3.97

September 2023 – Present

Scholarship Mentor

- **Guided and supported four peers** in their studies, leading to significant improvement in their academic performance.
- **Designed and conducted engaging online class sessions**, attracting nearly **30 participants** eager to learn.
- **Delivered lessons on advanced topics**, including **Artificial Intelligence, Algorithm Design & Analysis, and Object-Oriented Programming**, fostering a **deeper understanding and practical application** of these subjects.

CERTIFICATIONS & TRAINING

COMPFEST, Universitas Indonesia, Depok, Indonesia

August 2024 – September 2025

Software Engineering Academy Participant

- Selected as **one of 20 participants** from thousands based on the **SEA Salon** project.
- Gained expertise in **SDLC, collaborative programming, clean code, unit testing, API development, design patterns, software architecture, database management, software security, and CI/CD**.
- Contributed as a **front-end developer** to the **Seatudy** platform and collaborated on a **mental health application's system design** with cross-functional teams.

SKILLS & OTHER

- **Golang:** Experience in developing Backend server using Golang using Domain Driven Design Architecture and Repository Pattern.
- **Kafka:** Experience in using Kafka for Message Broker Tools for scalability.
- **Redis:** Experience in using Redis for caching and creating a stateless software architecture.
- **AWS:** Experience in using AWS for Cloud Deployment by leveraging tools such as Elastic Load Balancer, EC2 Auto Scaling, and etc.
- **RabbitMQ:** Implement basic Message Queue for service-to-service communication.
- **Javascript - Node.js - React JS - Next.js - Typescript - Firebase - Supabase:** Experience in developing website for work and personal projects
- **Python - Tensorflow:** Experience in developing Deep Learning model for mental illness detection by utilizing NLP techniques for personal projects
- **Dart - Flutter:** create mobile apps for personal projects.
- **Docker:** Have used docker as a container for university projects.
- **Clean Architecture – SOLID Principle:** Implemented on personal project
- **Github:** Experienced in using Git for version control and collaboration on software projects.
- **Communication and Public speaking:** Present team projects at some Hackathons and teach students as Laboratory Assistant.
- **Team work:** Working with a team of Laboratory Assistant and BNCC. Teaching as Laboratory Assistant and became speakers of HIMTI and BNCC events.