Jonathan Maverick

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Summary

Software Developer specializing in designing scalable systems, building efficient backend services, and creating reliable software solutions that drive impactful digital products.

Education

University of Bina Nusantara, Bachelor of Computer Science [3.81 GPA]　　　　2022 – Present

- Software Engineering Streaming
- Web Programming Elective Course

Technologies

Languages: Python, GO, Java, TypeScript, JavaScript, Kotlin, C, C#, PHP, Motoko

Frameworks: Laravel, Next, React, React Native

Big Data: Apache Spark (PySpark), Hadoop, Hive, Impala, Pig

Networking / Tools: Docker, Ubuntu Server, Kali Linux, GitHub Actions, Cisco Packet Tracer

Experience

Subject Coordinator, Binus University – Jakarta, Indonesia　　　　Aug 2024 – Present

- Coordinated and facilitated assistant teaching activities across 100+ classes, covering 8 academic subjects including Data Warehouse, Introduction to Programming, Computer Security, Network and System Programming, Computer Vision, Automation Testing, Computer Networks and Network Penetration Testing
- Supervised the creation and administration of 100+ quizzes and examinations
- Oversaw grading verification processes for more than 20 classes
- Developed and implemented standardized grading criteria to ensure consistency across 8 subjects

PPTI Subject Coordinator, BCA Learning Institute – Bogor, Indonesia　　　　Jun 2025 – Oct 2025

- Responsible for coordinating three Computer Security classes

Junior Laboratory Assistant, BINUS University – Jakarta, Indonesia　　　　Aug 2023 – Aug 2024

- Taught 6 to 8 classes per semester, engaging 200+ students in 10+ subjects, including Algorithm and Programming, Database Technology, and Mobile Community Solution.
- Developed the Test Progressive Assistant project, exploring five emerging technology areas.
- Designed exams and visual learning materials to enhance student understanding in Network and System Programming and Database Design.
- Assessed 200+ student performances, ensuring fair and consistent grading.

Publications

Personal Protective Equipment Detection for Construction Site Safety Using YOLOv9　　　　Nov 2024

Reynaldi Adidarma, *Jonathan Maverick*, Islam Nur Alam, and Lili Ayu Wulandhari

10.1109/ICIMCIS63449.2024.10956767

Awards

Best Assistant Candidate Odd Semester 2023/2024　　　　Binus University 2024

Test Progressive Assistant Completions   Binus University 2023

Successfully completed 5 advanced technical projects with perfect on-time delivery, including:

- Game Development (Unity)
- Desktop Application Development (ReactJS, Firebase, Electron)
- Web Development (ReactJS, Go, PostgreSQL)
- Mobile Development (Kotlin, Android Studio)
- Networking (CI/CD, Docker, Cisco Packet Tracer)

The Case Maker of TPA   Binus University 2025

Achievments

1st Place – Codefest Blockchain Hackathon 6.0   September 2024

Codefest, Dfinity Foundation

- DContest, a decentralized voting platform built on the Internet Computer using Motoko Programming Language.