## 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

### **Achievements**

### 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.