

Aldi Kurniawan Tampubolon

Laguboti, Indonesia | aldoykurniawan@gmail.com | +62 852-1848-9098 | [GitHub](#) | [LinkedIn](#)

Professional Experience

Institut Teknologi Del – Backend Development & Programming Fundamentals Sep 2023 – Present
Learned and implemented core programming and web development concepts, including:

- Programming fundamentals using C, algorithms, and data structures
- Dynamic web development with HTML, CSS, JavaScript, and PHP
- Database design and integration using MySQL
- Understanding operating systems, computer architecture, and software engineering principles
- Collaborated in small projects using Git and maintained proper technical documentation

Institut Teknologi Del – Networking, Server Management & DevOps Jan 2024 – Present
Deepened understanding of backend systems, server configuration, and distributed systems, including:

- Managing and configuring Linux/Ubuntu servers, deployment with Docker and Nginx
- Backend API development using Python (Flask) integrated with databases
- Understanding computer networks, virtualization, and distributed system architecture
- Configuring web servers, DNS, and network routing using Cisco Packet Tracer and GNS3
- Introduction to embedded systems and IoT using Arduino for real-world applications

Education

Institut Teknologi Del - D3 Computer Technology Aug 2023 – Oct 2026 (expected)
• **Relevant Coursework:** Programming Fundamentals, Data Structures, Database Systems, Web Development, Computer Networks, Operating Systems, and Software Engineering.

Projects & Certifications

Campus Log System with AI Face Recognition	2025
• Automated campus entry/exit system using Flutter, Firebase, and Face++ API with real-time backend	
Batak Cultural Heritage Website	2024
• Created an educational web platform on Batak Toba ceremonies using PHP, JavaScript, and MySQL	
Smart Trash Can with Arduino	2024
• Built an IoT waste management system with sensors, servo motor, and LCD for automated capacity alerts	
Cisco Networking Essentials	2025
Networking Basics	2025
JavaScript Essentials 1	2023
Python Essentials 1	2025
Introduction to IoT and Digital Transformation	2025
Introduction to Cybersecurity	2023

Skills

Languages: Python, Dart, PHP, JavaScript, C++, C, SQL, HTML, CSS, Kotlin,

Technologies: Flutter, Flask, Laravel, OpenCV, DeepFace, Arduino, REST API, Nginx, GitHub Actions

Platforms: MySQL, PostgreSQL, MongoDB, Firebase, AWS EC2, GCP, VirtualBox, Apache, Linux Server