

Muhammad Alif Budiman

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Professional Summary

Full-Stack Web Developer and Computer Science graduate with hands-on experience in public-sector digital systems, backend API development, and responsive web applications. Skilled in Go, Node.js/Express, TypeScript, Angular, Python, Flask, Django, PostgreSQL, MongoDB, REST API design, OpenAPI/Swagger documentation, and authentication workflows. Able to contribute across frontend, backend, database, and integration tasks with clean code, clear documentation, and practical teamwork.

Education

Universitas Negeri Jakarta

Sep 2020 – Feb 2025

Bachelor of Science — Computer Science

GPA: 3.62/4.00

Thesis: Analyzed sentiment and topics from 174,618 Twitter/X posts about Universitas Negeri Jakarta using LDA, LSTM, Indonesian text preprocessing, FastText embedding, and model evaluation.

Professional Experience

BKN RI

Nov 2025 – May 2026

Programmer Intern (Digital Systems & Applications) | East Jakarta, Indonesia

Supporting backend development, digital application workflows, and API documentation for internal public-sector systems.

- Developed and refined Go backend endpoints for internal government digital system modules, including workflow processing, scheduling-related data, document handling, and administrative data management
- Implemented filtering, sorting, pagination, role-based access control, workflow transitions, file upload handling, and OpenAPI/Swagger documentation aligned with implemented routes

LearningX

Aug 2023 – Dec 2023

Certified Independent Study (MSIB) – Full-Stack Web Development | Remote

Completed a project-based MSIB Batch 5 full-stack web development program focused on frontend, backend, database, and deployment practice.

- Completed structured modules covering HTML, CSS, JavaScript, Python, Flask, MongoDB, AJAX, web scraping, CRUD workflows, and deployment
- Built mini-projects including a login page, FanBook application, Python scraping task, MongoDB CRUD implementation with PyMongo, and Flask-based portfolio website deployed through Glitch

Selected Projects

Internal Digital Systems Backend API

2026

Backend Developer | BKN RI

Contributed to backend API development for an internal public-sector workflow platform, focusing on maintainable endpoint design, workflow support, and API consistency without exposing unpublished product details.

- Built Go API endpoints for internal workflow, scheduling, document, and administrative data domains using a layered backend structure
- Added list/detail retrieval, update/delete flows, filtering, sorting, pagination, multipart file handling, authorization rules, workflow transitions, and Swagger/OpenAPI contracts

Blog API Server

2025

Backend Developer | M-Knows Consulting Bootcamp

Built a backend service for a blog platform with a focus on structured REST API development, maintainable architecture, and production-oriented backend features.

- Developed REST API endpoints using Node.js, Express, TypeScript, Sequelize, and PostgreSQL within an MVC architecture
- Implemented authentication, input validation, email notifications, logging, and Postman-based API documentation to improve reliability and developer usability

Portfolio Website

2025

Frontend Developer | Personal Project

Built a responsive portfolio website to present projects, skills, and contact information through a polished Angular-based interface.

- Developed the interface using Angular 19, TypeScript, SCSS, and Tailwind CSS with reusable components, custom directives, responsive layouts, and a contact form

Task Master

Jul 2023 – Aug 2023

Full-Stack Web Developer | CS50

Created a task management web application to support recurring daily, weekly, and monthly workflows with secure user access and data handling.

- Developed REST APIs using Django REST Framework and PostgreSQL and secured user authentication with JWT
- Implemented sorting, filtering, task history, scheduled task reset by timezone, interactive data tables, Swagger documentation, and Excel export

Patient Management System

Nov 2023 – Dec 2023

Full-Stack Web Developer | LearningX

Developed a healthcare web application for patient registration, queue handling, scheduling, and medical record workflows as part of a team-based full-stack project.

- Built a responsive web interface and Flask-based backend integrated with MongoDB for registration, queue, scheduling, and medical record features
- Implemented authentication, admin workflows, CSV export, real-time updates, and deployment to Glitch to support end-to-end application delivery

Core Skills

Languages & Frameworks: Go, TypeScript, JavaScript, Python, PHP, Angular, Node.js, Express, Flask, Django, Laravel, HTML5, CSS3, SCSS, Tailwind CSS.

Backend & API: REST API, OpenAPI/Swagger, Postman, JWT, Keycloak, role-based access control, workflow transition, file upload handling, validation.

Database & Data: PostgreSQL, MySQL, MongoDB, Sequelize, SQL, CRUD workflows, filtering, sorting, pagination, schema cleanup, migration, seeding.

Tools & Practices: Git, GitHub, MVC, layered backend structure, clean code, API versioning, technical documentation, deployment workflow.

Professional: Problem solving, adaptability, time management, team collaboration, public-sector service orientation, technical learning.

Languages

Indonesian — Native

Native speaker with full professional fluency for collaboration, technical discussion, documentation, and stakeholder communication in Indonesian working environments.

English — Professional Working Proficiency

Comfortable reading technical documentation, writing developer-facing content, using English-based tools and frameworks, and collaborating in software development contexts.