

CURRICULUM VITAE

Argy Fawwaz Akbar

Full-stack Developer

Diploma IV Software Engineering Technology student, IPB University

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PROFILE

Diploma IV Software Engineering Technology student at IPB University and full-stack developer who is accustomed to carrying projects from planning to release: writing requirements documents, designing databases, building interfaces, and testing the results. Primary experience includes developing web systems for the Indonesian Society of Respirology (PDPI), including a member directory that manages more than 1,800 physician profiles. Interested in mobile application development, AI integration, and applying 3D on the web.

1,800+ pulmonologist profiles managed

9 projects in portfolio

6 awards & certificates

WORK EXPERIENCE

Full-stack Developer — 2025 – 2026

Indonesian Society of Respirology (PDPI)

- Built Klik PDPI (klikpdpi.com), the organization's official website with member registration and login, contact forms, and organizational content, using React, TypeScript, and Supabase.
- Developed the PDPI Directory (direktoripdpi.com), which manages more than 1,800 pulmonologist profiles from across Indonesia. The work received a Recognition Award from the PDPI Central Board.
- Tested the Register, Login, and Contact forms using Boundary Value Analysis and Equivalence Partitioning; validated input with Zod and react-hook-form.

Website Developer — 2026

Tax Center, IPB University Vocational School

- Developed and maintained the official Tax Center SV IPB website. The contribution was recognized with an Appreciation Certificate.

ORGANIZATIONS

Member, Webmaster Division — 2024 – 2026

HIMAVO Micro IT (Micro IT Student Association), IPB University

Member, Communication and Digital Division — 2024 – 2026

Tax Center IPB University

Staff, Media Production Division — 2022 – 2023

Salam UI (Rohis UI)

EDUCATION

IPB University

2024 – 2028

Diploma IV Software Engineering Technology, Vocational School

GPA 3.69 / 4.00. Relevant courses: Software Testing, Big Data, Computer Vision.

Universitas Indonesia

2022 – 2024

Physics Student, Faculty of Mathematics and Natural Sciences (FMIPA)

SMA Negeri 2 Tambun Selatan

2019 – 2022

SKILLS

FRONTEND

Next.js · React · TypeScript · Tailwind CSS · shadcn/ui · HTML · CSS

BACKEND & DATA

Laravel · FastAPI · Supabase · PostgreSQL · Prisma · Railway · Python

MOBILE

Flutter · Dart · REST API

AI & 3D

Gemini API · Claude API · Three.js · Blender

DESIGN & TESTING

Figma · Boundary Value Analysis · Equivalence Partitioning

OTHER

Operating system installation · Device repair

Argy Fawwaz Akbar

FULL-STACK DEVELOPER

SELECTED PROJECTS

KOPASEBA — 2026

Solo developer

Official website of the PDPI cooperative with a partner product catalog, business units, member financing, and a full CRUD admin dashboard so the board can manage content without a developer.

`Next.js · Prisma · Supabase · Tailwind CSS`

Confindant — 2026

Solo developer (mobile, web, backend)

AI-powered personal finance and organization accounting app with receipt scanning (OCR), automatic categorization, cashflow forecasting, and a finance chat using Google Gemini. Interface designed in Figma.

`Flutter · Next.js · Laravel 12 · PostgreSQL`

AgriVision — 2026

Developer, Group 19

A computer vision system for disease detection and health monitoring of tomato and chili plants for precision farming, with transfer learning CNN classification and ExG and VARI vegetation indices.

`Next.js · Flutter · FastAPI · Supabase`

Smart City Traffic — 2026

Developer

An IoT and big data system that monitors and predicts urban traffic congestion, using Lambda Architecture for batch and real-time data and a web dashboard.

`Python · Google Colab · Lambda Architecture`

PPDS Directory — 2026

Full-stack developer

A nationwide directory of pulmonology residents, consultants, and fellows for the Indonesian College of Pulmonology and Respiratory Medicine, including distribution planning per regency.

`Next.js · Supabase · Three.js`

Mindra — 2026

Team lead (three members)

A mental health application in a Next.js web version entered in the UINIC 8.0 Web Development Competition.

`Next.js · Flutter`

Kontraku — 2026

Creator

A reminder app for rental property owners: properties, locations, and photos, with reminders for rent due dates, contract renewals, and maintenance. Multi-user and planned as a SaaS.

`FastAPI · PostgreSQL · Railway`

AWARDS & CERTIFICATES

1st Place
Farmers English Competition, Essay category
2025

1st Runner-Up
Indonesian Counseling Competition (Essay), Universitas Ahmad Dahlan
2026

Participant
ITFest, UI/UX Design (Nutriscan)
2025

Recognition Award
PDPI Central Board, for the Member Directory
2025

Appreciation Certificate
Tax Center IPB Vocational School, Website Developer
2026

Gemini Certified Student
Google for Education, valid 2026 – 2029
2026

LANGUAGES

Indonesian	Native
English	Intermediate

PROJECT LINKS

Klik PDPI
klikpdpi.com

PDPI Directory
direktoripdpi.com

KOPASEBA
kopaseba.vercel.app

Confindant
confindant.vercel.app

PPDS Directory
direktori-ppds.vercel.app

Kontraku
kontraku.vercel.app