

PUTRA JADI MUKTI

Software Engineer

0895411491120 | putramukti26@gmail.com | linkedin.com/in/putramukti | github.com/putramkti | putramukti.my.id
Semarang, Jawa Tengah, Indonesia

Bachelor of Informatics graduate from UPN "Veteran" Yogyakarta (GPA 3.71) with experience as a Software Engineer, primarily focused on backend development. Interested in Artificial Intelligence, particularly Large Language Model (LLM) applications, and motivated to build software that delivers practical solutions. Comfortable working independently as well as collaborating within a team while continuously learning new technologies.

Education

Universitas Pembangunan Nasional Veteran Yogyakarta - Yogyakarta Aug 2021 - Aug 2025

Bachelor of Informatics, 3.71/4.00

- Thesis: "Implementation of Retrieval-Augmented Generation (RAG) with a Large Language Model (LLM) for a Legal Question Answering System on Indonesian Labor Law"

Work Experiences

Formulatrix Indonesia - Salatiga Jun 2026 - Jul 2026

Software Engineer, Bootcamp Batch 19

- Applied SOLID principles and Clean Architecture to build maintainable and testable systems
- Built 15+ RESTful API endpoints using ASP.NET Core and EF Core with DTOs, FluentValidation, and JWT authentication
- Wrote unit tests using NUnit, achieving 90%+ code coverage for core domain logic
- Built LunchSpot as part of a team capstone project, a real-time canteen occupancy system integrating YOLO object detection, table-zone mapping, and SignalR live updates

Koperasi GEMI - Yogyakarta Sep 2025 - Apr 2026

Web Developer Intern, Maganghub Batch 1 (Kemnaker)

- Redesigned 10+ core web pages across the cooperative ecosystem to improve visual consistency and user navigation
- Built interactive financial simulators in JavaScript, including a loan calculator with custom margin logic and a zakat calculator
- Iterated UI/UX designs based on direct feedback from cooperative members and stakeholders

Bangkit Academy 2023 Batch 2 - Remote Aug 2023 - Dec 2023

Machine Learning Cohort, MSIB (Google, Tokopedia, Gojek & Traveloka)

- Led the Machine Learning team for project Baskarya, directing task allocation, data pipeline design, and model architecture
- Built a batik recommendation engine using MobileNetV2 feature embeddings and cosine similarity, achieving 93% test-set accuracy
- Managed end-to-end ML operations, including data collection, preprocessing, model training, evaluation, and API deployment via Flask
- Collaborated with cross-functional teams (Mobile Development and Cloud Computing) to integrate recommendation APIs into the mobile application

PT Premier Optima Sattiga - Depok Feb 2019 - Apr 2019

Frontend Web Developer Intern

- Developed responsive user interfaces for a gym management system using Laravel framework
- Converted static web designs into reusable, functional Laravel Blade components
- Tested and validated core frontend functionality to ensure seamless administrative features and reliable management workflows.

Organisational Experience

Robotic UPN "Veteran" Yogyakarta (RUVY) - Yogyakarta Sep 2022 - Aug 2025

Fixed-Wing UAV Division

- Represented the university in the 2024 National Fixed-Wing UAV Competition (KRTI 2024)
- Configured Ground Control Station (GCS) using Mission Planner and ArduPilot on a Cube Orange flight controller, establishing reliable telemetry communication between the UAV and ground systems
- Designed and implemented autonomous flight missions, coordinated waypoints, and automated payload release mechanisms, successfully executing them during flight tests

Skills

- **Programming Languages:** C#, Python, TypeScript, JavaScript, PHP, C++
- **Backend & API:** ASP.NET Core, Entity Framework Core, FastAPI, Express.js
- **Frontend & Web:** React, Next.js, Laravel, Tailwind CSS, HTML/CSS
- **AI & LLM:** RAG, LangChain, TensorFlow, NLP, Convolutional Neural Networks (CNN), YOLO
- **Databases:** SQLite, MySQL
- **Tools:** Git, GitHub, Postman

Certifications

- National Finalist in Fixed-Wing Division - Kontes Robot Terbang Indonesia (KRTI) 2024, BPTI Kemendikbudristek (2024)
- Junior Web Developer - Badan Nasional Sertifikasi Profesi (BNSP)
- TensorFlow Developer Certificate - DeepLearning.AI
- Machine Learning Specialization - DeepLearning.AI & Stanford University
- AWS Cloud Practitioner Essentials (Belajar Dasar AWS Cloud) - Dicoding
- Share Data Through the Art of Visualization - Coursera
- Intro to Git and GitHub - Coursera