

Felix Winston

Full-Stack AI Engineer | AI Agent Developer | Flutter | Next.js | FastAPI

Full-Stack AI Engineer with 2+ years of experience building production-grade mobile, web, and AI-powered applications. Experienced in enterprise Flutter applications for banking operations and full-stack AI solutions using Next.js, React, Python, FastAPI, LangChain, LangGraph, and PyTorch. Strong background in clean architecture, REST API integration, AI agent workflows, predictive analytics, and end-to-end product development.

Medan, Indonesia | Remote-ready | felixlim140@gmail.com | LinkedIn/GitHub: @felixlim140

Work Experience

Full-Stack AI Engineer - Futurescale Digital Technology

January 2026 - Present | Freelance

- Build full-stack AI-powered applications using Next.js, React, Python, FastAPI, and machine learning models to support predictive analytics, automation, and business decision-making.
- Develop AI agent workflows with LangChain and LangGraph, including multi-step reasoning, tool usage, structured outputs, and backend API integration.
- Design machine learning pipelines using Python, scikit-learn, and PyTorch, covering data ingestion, feature engineering, model training, evaluation, and inference.
- Create frontend interfaces and RESTful APIs that expose AI models, AI agents, and predictive insights through clear business-friendly user experiences.

Mobile Developer - PT Bank Mestika Dharma, Tbk.

December 2024 - Present | 1 year 6+ months

- Develop enterprise-grade internal mobile applications using Flutter for banking operations, following clean architecture, modular features, and reusable widget patterns.
- Implement production-ready Flutter features including state management, responsive UI, API integration, form validation, error handling, and secure application flows.
- Collaborate with System Analysts, Backend Developers, and cross-functional teams to deliver reliable mobile features aligned with business requirements.
- Maintain high code quality through modular architecture, reusable components, clear separation of concerns, and mobile development best practices.

AI Engineer Cohort - Laskar AI

February 2025 - August 2025 | 7 months

Laskar AI is a national AI scholarship program supported by NVIDIA, Dicoding, Lintasarta, and AI Merdeka.

- Selected as one of 100 professionals and lecturers in a competitive NVIDIA-backed national AI scholarship program.
- Completed intensive AI training covering machine learning, deep learning, natural language processing, computer vision, model evaluation, and deployment.

Work Experience

Officer - Operations Management - Musim Mas Group

September 2023 - July 2024 | 11 months

- Monitored factory operations, identified operational bottlenecks, and supported corrective actions to improve workflow reliability.
- Conducted field visits to verify process improvements, strengthening operational analysis, stakeholder communication, and problem-solving skills.

Mobile Development Cohort - Bangkit Academy

February 2023 - July 2023 | 6 months | Led by Google, GoTo, and Traveloka

- Selected as one of 5,000 participants from 67,000 applicants, ranking in the top 7.5% nationally.
- Completed an intensive mobile development curriculum covering Kotlin, Android Studio, UI/UX design, mobile architecture, and professional communication.
- Led the mobile development workstream in a 6-member capstone team across Mobile Development, Cloud Computing, and Machine Learning tracks.

Teacher - Wellington Intelligence School

August 2021 - January 2022 | 6 months

- Taught Mathematics, Physics, and Chemistry for senior high school students, adapting explanations to different learning needs.
- Built communication, mentoring, and problem-solving skills through classroom instruction and small-group academic support.

Education

2020 - 2024

Universitas Mikroskil
Computer Science

2017 - 2020

Sekolah Mentari Bangsa

Technical Skills

Full-Stack: React, Next.js, TypeScript, JavaScript, REST APIs, Dashboard Development, Responsive UI

Mobile: Flutter, Dart, Kotlin, Android, Clean Architecture, MVVM, BLoC, Provider, Riverpod

Backend: Python, FastAPI, SQLAlchemy, PostgreSQL, Supabase, Neon, Authentication, API Design

AI Agents: LangChain, LangGraph, Agentic AI, LLMs, Prompt Engineering, Tool Calling, Structured Output, RAG

Machine Learning: PyTorch, scikit-learn, Predictive Analytics, NLP, Computer Vision, Model Training, Model Deployment

Tools: Git, GitHub, Docker, Linux VPS, Nginx, CI/CD Basics, Debugging, Technical Documentation

Languages

Indonesian: Native

English: Professional Working Proficiency

Target Remote Roles

Remote Full-Stack AI Engineer, AI Agent Developer, Flutter Developer, Python/FastAPI Developer