Felix Prima

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Professional Summary

Full-stack developer with a strong foundation in Computer Science and Mathematics (GPA 3.88, Magna Cum Laude). Experienced in building web applications from scratch using modern stacks such as Next.js, NestJS, Express.js, and Django. Proficient in both frontend and backend development, with hands-on experience in authentication systems, relational database design, and API integration. Demonstrated skills through real-world projects and academic research in machine learning and data analysis.

Technical Skills

Languages: Python, JavaScript/TypeScript, SQL, Java, PHP
Frameworks & Libraries: Django, NestJS, Next.js, React, Express.js, Prisma, Laravel, TensorFlow
Databases: MySQL, PostgreSQL, MongoDB
Tools: Git, Linux, Postman, Streamlit, Axios
Soft Skills: Teamwork, Problem Solving, Leadership, Critical Thinking

Selected Projects

Djamuformatics — Medicinal Plant Repository   Dec 2024 – Mar 2025
Express.js, MySQL, Prisma, JWT

- Built secure backend services with JWT authentication and role-based access control.

- Designed relational schema and optimized queries for efficient CRUD operations.

- Implemented automated DOI metadata fetching via external APIs to prevent duplicates.

Suara — Real-Time Social Platform   Apr 2025 – Present
Next.js, NestJS, Prisma, MySQL, JWT

- Developed token-based authentication with refresh-token rotation and Axios interceptors.

- Designed relational schema (users, posts, counters) and delivered core CRUD APIs

- Added AJAX integration for live replies.

Research Thesis — Deep Learning E-Commerce Recommender System   Feb 2024
Python, Django, TensorFlow Recommenders

- Built Attribute-Based Neural Collaborative Filtering using explicit ratings and VADER-based implicit signals.

- Exposed recommendation APIs via Django for production integration and evaluation.

DDoS Attack Classification Using Machine-Learning Models   Feb 2023
Python, scikit-learn, Matplotlib, Pandas, Tensorflow

- Engineered traffic-flow features and benchmarked multiple classifiers for DDoS detection.

- Analysed results to recommend the most suitable model for real-time deployment.

- Presented the study in a peer-reviewed conference paper.

Professional Experience

Data Scientist Intern
PT. Pharos Indonesia, Jakarta   Aug 2023 – Dec 2023

- Cleaned and transformed over one million transactional rows using Pandas for exploratory analysis.

- Helped prototype a personalised recommendation engine with TensorFlow Recommenders.

- Wrote technical documentation to support hand-off within two-week sprints.

Product Development Officer — Cost Estimator
Kawan Lama Manufacturing, Jakarta   Sept 2024 – Sep 2025

- Automated sales data collection via web scraping with Python and integrated it with the company's e-commerce platform to streamline SKU and retail price analysis.

- Create BOM breakdowns and align cost models with vendor quotations for new SKUs.

- Collaborate with Engineering, R&D, and Procurement to verify manufacturing feasibility.

Organization Experience

Content Creator & Event Contributor   Mar 2020 – Jan 2024
Q&A Group

- Produced and published hundreds of educational Instagram posts focused on mathematics.

- Organized NaMo 2020, a national math competition with 5,000+ participants.

- Served as mentor, data analyst, and problem setter for the event.

Scholarship Mentor   Jul 2020 – Sept 2021
Binus Student Learning Community

- Mentored students in algorithms, data structures, and discrete mathematics on a weekly basis.

- Earned the "Excellent Mentor" distinction for teaching performance and consistency.

Education

Bachelor of Computer Science and Mathematics   2019 – 2024
Binus University • GPA 3.88/4.00 • Magna Cum Laude

- Completed laboratory assistant training in C, Java, and MS SQL.

- Developed projects in computer vision, machine learning, web and mobile programming (Java).

- Proficient in web frameworks including Laravel and Django.