Raihan Akbar Putra Prasetyo

Software Engineer

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PROFESSIONAL SUMMARY

Informatics Engineering student at Politeknik Negeri Malang who builds software end to end and keeps the team on schedule while doing it. Has delivered three project-based engagements as project manager and developer: a Laravel storefront for a building-materials shop, a lab website with an admin panel, and a machine-learning scouting app. Comfortable across the stack — database schema, backend, interface, and the Python notebooks behind the model — and brings years of committee and volunteer leadership. Looking for a software engineering internship where the work actually ships.

EDUCATION

Politeknik Negeri Malang — D4 Applied Bachelor's, Informatics Engineering
Malang, East Java | 2024 – Present

- Coursework in programming, database systems, web development, computer vision and machine learning.
- Project-based units run as real engagements: scope agreed with a client or lab, then built and handed over as a team.

SMAN 8 Kota Malang — Senior Secondary, Science
Malang, East Java | 2021 – 2024

PROJECTS

Scoutify — Player-fit scouting app (team of three)
Project manager, backend and machine learning · Flutter, FastAPI, scikit-learn, SHAP
2026 · in progress

- Scores how well a footballer fits a specific tactical brief instead of ranking players overall, and returns the reasoning behind each score.
- Built the FastAPI service over one loaded model registry — player list, single-player detail and the scouting query — with position and age filters on top of the neighbour search over eight normalised attributes.
- Split distance into per-statistic SHAP contributions in the training notebook, so a score is explainable rather than opaque; ran the project and kept the backend, model and interface tracks merging.

TB Cahaya Baru — Building-materials storefront
Project manager and fullstack developer · Laravel, Blade, MySQL, JavaScript
2026

- Scoped the storefront with the shop owner and delivered it as a project-based engagement; the shop runs it without a developer.
- Server-rendered catalogue of 28 products and 30 services, with brand, stock and price filters that respond without a page reload.
- Cart totals goods and per-kilometre delivery separately, then hands the finished order to WhatsApp with the customer's details attached; no payment gateway, no running cost.

Lab MMT Polinema — Lab website and admin panel
Project manager and fullstack developer · PHP, MySQL, JavaScript
2025

- Six public sections from one database: profile with vision, mission and organisation chart, plus news, projects, gallery and contact.
- Admin panel behind a session login with a generated CAPTCHA, so lab staff publish news, projects, team members and image uploads themselves.
- Hand-written routing, validation and uploads in plain PHP; gallery search with category, year and pagination controls.

EXPERIENCE

Staff, Internal Division (Learning & Development)
Polinema Mengajar — Malang, East Java
November 2025 – October 2026

- Manage internal affairs for a volunteer organisation: member engagement, division coordination and administration.
- Design and run internal development programmes, and teach children during community outreach at local orphanages.

Chief of Committee — Upskilling 2025/2026
Polinema Mengajar — Malang, East Java
January 2026

- Led an internal training day on public speaking and professional networking, from concept to event day.
- Owned the work plan, scheduling, division briefings and speaker liaison, including external speakers.
- Ran the event on the day: opening, session handovers and fixes.

Logistics & Equipment Crew
Polinema Mengajar — Malang, East Java
March 2026 – May 2026

- Study Visit 2026: planned, prepared and distributed teaching materials and equipment.
- National Seminar 2026: venue setup and supplies for a hands-on workshop, coordinated with guest speakers.
- Stayed on site for on-the-day fixes — the problems that never make the rundown.

Logistics & Equipment Staff — Prastudi JTI
HMTI Polinema — Malang, East Java
August 2025

- Supported orientation for the incoming Information Technology cohort: venue setup, equipment distribution, on-site support.

Volunteer — Sobat Baca (Youth & Literacy)
Polinema Mengajar — Malang, East Java
May 2025

- Facilitated group reading and storytelling sessions for children in a literacy programme.
- Designed learning games that held a full session's attention, so reading felt like the reward.

Vice Coordinator of Logistics & Equipment — RTKSSH
SMAN 8 Kota Malang — Malang, East Java
February 2022 – July 2023

- Coordinated an eighteen-month event series: stage builds, venue decor, equipment runs and on-site fixes.
- Managed procurement and distribution of technical equipment, and handled promotional design and documentation for Duta Bhaskara 2023.

SKILLS

Software engineering
PHP and Laravel, Blade, MySQL and relational schema design, JavaScript, HTML and CSS, Tailwind CSS, Git and GitHub, Vercel deployment.

Data and machine learning
Python (pandas, NumPy, scikit-learn), KNN and nearest-neighbour search, SHAP-based explanation, OpenCV, Jupyter notebooks.

Product and delivery
Project management, requirements scoping with a client, work planning, committee leadership, scheduling, logistics, on-site troubleshooting, speaker and partner liaison.

Communication and design
Public speaking, workshop facilitation, mentoring, Figma, promotional design, photo retouching, documentation and reporting.

LANGUAGES

- Indonesian — native
- English — professional working proficiency