Muhammad Iqbal

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I am a Full-Stack Developer with more than two years of experience in designing, developing, deploying, and maintaining applications. A graduate of Politeknik Elektronika Negeri Surabaya, majoring in Informatics Engineering, I am proficient in modern technologies such as Symfony (PHP Full-Stack), Next.js, Go, Docker, Redis, PostgreSQL, and Firebase. In addition, I have hands-on experience in building AI-powered attendance systems using Face Recognition, leveraging dlib, OpenCV, Flask, and NVIDIA CUDA. I am able to work both independently and collaboratively in a team, possess strong time management skills, and have a passion for continuously learning new technologies to enhance application development quality.

EDUCATION

Politeknik Elektronika Negeri Surabaya | Bachelor Degree in Informatics Engineering | IPK: 3.57/4.00   *Aug 2019 - Sep 2023*

Mata Kuliah yang relevan   : Database, Operating System, Software Engineering, Artificial Intelligence, and Network Administration

Final Project   : Detection of Safety Helmet Usage in Construction Areas Using NVIDIA Jetson

PROFESSIONAL EXPERIENCE

Full-Stack Developer | PT Piramida Teknologi Informasi   *Sep 2023 - Present*

- Handled 1-2 projects per month includes develop and maintanance app, coordinating with the client and IT consultant team, ensured requirement fit with on-time delivery ≥95% and scope creep <10%.
- Built client-requested web applications using Symfony FullStack (PHP), Next.js and Go. And delivered the MVP in 2-3 sprints (2 weeks/sprint) and reduced rework by 20% through clear requirement alignment.
- Implemented the backend, designed 10–20 database tables, shipped 15–25 REST API endpoints, and set up roles & permissions (3–5 roles) with an API success rate ≥99%.
- Designed and implemented the UI with Bootstrap, 12–18 responsive screens, achieving Lighthouse Performance ≥85 and 100% cross-browser pass on major browsers.
- Post-release maintenance & support achieved ≥99.5% uptime, MTTR <1 day for critical issues, and ticket SLA <24 hours, processed change requests with < 48-hour turnaround for estimates and release planning.

Mobile App Developer Intern | PT Andromedia   *Sep 2022 - Des 2022*

- Developed Kelava CRM App using React Native with shipped 10+ features (Google Maps–integrated Map View, QR Scan).
- Maps & location integration with leveraged Google Maps SDK (geocoding & marker clustering) to speed up location lookup by 40% and cut address-related support tickets by 25%.
- Developed CWS (Ciputra World Surabaya) App using React Native, integrated 15+ API endpoints (membership, events, coupons, account deletion), and added pagination, improving list load time by 35%.
- UI/UX improvements, redesigned FAQ & History pages and added a QR Code modal, yielding +20% page retention and +15% interaction time.
- Developed Hospital App from Kasih Ibu Hospital using React Native, defined requirements and built the Analyst Dashboard, work day view, login, and order APIs.

Full-Stack Developer Intern | Diskominfo Kota Batu   *Feb 2022 - Mar 2022*

- Built a Laravel-based web application to track small-business credit applications (citizens, funders, economic sectors), delivering 10-12 core screens from registration to status monitoring.
- Implemented a REST API with 15-25 endpoints (CRUD, auth, tracking), and clear API documentation for the team.
- Designed the database schema (normalization, relationships) for 10+ tables with 100% referential integrity (FK), enabling reliable search and reporting.
- Applied role-based access control (RBAC) for 3-4 roles (Admin, Verifier, Citizen) to ensure secure and appropriate data access, plus audit logs for critical actions.
- Designed and implemented a responsive Bootstrap UI, reaching ≥85 Lighthouse performance and 20% lower form drop-off through better validation and clearer UX.

PROJECT

Face Recognition Attendance App   *Aug 2025 - Sep 2025*

- Face-recognition attendance for public/outdoor use with mid-range distance (3–5 m).
- Achiveve ≥80% accuracy, detection time <300 ms/frame.

- Tools: Python, OpenCV, dlib/FaceNet, Flask, NVIDIA CUDA, RTSP/IP Camera, Redis caching.

Solusi Jatim App   *Dec 2024 - Jan 2025*
- Digitized technical guidance from governance to company recording from manual to an integrated web application.
- Data entry & reconciliation time −60%, logging errors −40%, reports generated in real time.
- Tools: PHP Symfony, PostgreSQL, Bootstrap/Tailwind, SSO & role-based access.

Satukerja App (satukerja.id)   *Jun 24 - present*
- Two sided job platform (job seekers & employers) with vacancy and applicant management.
- Migration Firebase NoSQL to RDBMS SQL cut infra cost 30%, improved listing queries 45%, reduced production bugs 25%.
- Tools: Next.js, Go, Material UI/SCSS, Node API, PostgreSQL/MySQL (post-migration), basic monitor.

E-Data App (e-data.appdev.web.id)   *Mar 2024 - May 2024*
- Data processing app for licensing/projects/company realization (summary of 2.4M rows, 27 columns).
- Multi-table pivots & aggregates in <2–3 s for common queries; Excel import throughput +50%, granular access control.
- Tools: PHP Symfony, PostgreSQL, Bootstrap (admin), Tailwind (frontend), Excel ETL module.

OpenData App (opendata.jatimprov.go.id)   *Jan 2024 - Feb 2024*
- Government Open Data portal with charts and descriptive stats (min/max/avg by year).
- Integrated cross-app sources; dataset publishing 40% faster; Lighthouse Accessibility/Best-Practices ≥90.
- Tools: PHP Symfony, PostgreSQL, Bootstrap, data-sync pipeline & caching.

Sipde App (sipde.appdev.web.id)   *Sep 2023 - Dec 2023*
- Government loan-fund tracking, collaboration with Bank Jatim & BPR Jatim.
- Dashboard of installment status (5 categories) & loan recap; report generation <5 s, reconciliation accuracy ≥99%.
- Tools: PHP Symfony, PostgreSQL, Bootstrap (admin), Tailwind (frontend), scheduled reporting jobs.

AturAja App   *Aug 2021 - Nov 2021*
- Scheduling/to-do app with auto-schedule recommendations for groups and a focus mode to curb distractions.
- Reduced schedule conflicts 35%; improved focus (non-productive screen time −25%).
- Tools: Android Kotlin, Firebase Auth/Cloud Messaging, Figma designs, MVVM architecture.

TRAINING

Multiplatform App Dev | Dicoding   *Aug 2023 - Sep 2023*
- Completed a program consisting of 8 modules, 40+ learning hours, 6 passing submissions (5-star ratings), and an average quiz score ≥90.
- M Applied Flutter best practices: Clean Architecture + modularization, TDD with 70–80% test coverage, CI (GitHub Actions) with ≥95% success rate, and performance optimizations achieving 60 FPS and reducing build time by 20%.
- Final project: a movie catalog application (IMDB-like) implementing SOLID, Clean Architecture, TDD (50+ unit/widget tests), automated CI, as well as caching & pagination.

SKILLS

Programming Languages: Javascript, PHP, Java, HTML, CSS, Dart, Kotlin, Python.

Libraries & Frameworks: React, Tailwind, Laravel, Flutter, React Native, NextJs, Symfony, Go, Flask.

Tools: Git, Github, Gitlab, Figma, Trello.

Softskills: Agile, Teamwork, Leadership, Communication Skill, Analytical Thinking, Problem Solving, Strong Work Ethic

Language: Indonesian, English (TOEFL: 493)