

Amro Ali

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SUMMARY

Software engineer specializing in Full-stack web and cross-platform mobile development. Experienced in building production systems using React, Next.js, React Native, Laravel and modern cloud tooling. Proven ability to deliver measurable impact through performance optimization, developer tooling and scalable architecture. Passionate about building reliable, high-performance products and automating systems through AI agents integrations, CI/CD and modern DevOps practices.

SKILLS

Programming Languages: Typescript, Javascript, PHP, Python, C, C++, SQL, Bash.

Frontend: React, Next.js, React Router, TanStack Start, Tailwind CSS.

Mobile: React Native, Expo.

Backend: Laravel, Express.js, Fastify, Nest.js, FastAPI.

Databases: PostgreSQL, MySQL, Supabase.

DevOps & Infrastructure: AWS, Docker, GitHub Actions, EAS, Codemagic, Dokploy, Coolify.

Testing: Jest, Vitest, React Testing Library, Cypress, Playwright, Pest, PHPUnit, k6.

AI/ML: PyTorch, Scikit-learn, Mediapipe, Agent Development Kit (ADK), AI SDK.

EXPERIENCE

AMJ Innovative

Mar 2025 -

Software Engineer

Remote

- Reduced front-end development time by 50%+ by building an MCP server that enables AI agents to access Figma designs and generate code.
- Drastically improved bug resolution speed by integrating error logs with an AI agent in Slack capable of automatically generating pull requests for fixes.
- Designed and implemented a CI/CD pipeline using GitHub Actions and EAS to automate Android and iOS builds and deployments to the App Store and Play Store.

Kwayes Information Technology

Jan 2024 - Feb 2025

Full-Stack Web Developer

Remote

- Reduced infrastructure costs by 70%+ by self-hosting Supabase on a VPS and implementing automated deployments using Dokploy.
- Improved SEO performance by an average of 21% by using Incremental Static Regeneration (ISR) for landing and vehicle listing pages, increasing discoverability and page load performance.

PROJECTS

Sign AI – Sign Language Recognition Mobile App

- Developed a React Native and FastAPI mobile app that streams camera frames via WebSocket for real-time ASL recognition.
- Trained an ML model using Mediapipe landmarks and Scikit-learn, rendering live predictions in a stateful caption interface.

Text2Chart – AI Dashboard Generator

- Built an AI-powered dashboard generator that converts CSV datasets into interactive analytics dashboards.
- Implemented schema-validated AI layouts mapped to registered components.

Multimedia University Attendance Tracker - Attendance Management Web App

- Built a dashboard to analyze and visualize student attendance data.
- Built an auth integration to allow students to use their university accounts and access live data.

EDUCATION

Multimedia University - Bachelor of Engineering (Hons.) Electronics majoring in Computer