

Md. Ismail Alam Khan

Full Stack Engineer · Team Lead · Healthcare Tech

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TECHNICAL SKILLS

Languages

TypeScript · JavaScript
Dart · Kotlin · C#
HTML · CSS · Python · Rust

Frontend & Mobile

Flutter · React.js · Next.js
Vue.js · Electron.js

Backend & Infra

Supabase · n8n · Ollama
Express.js · FastAPI · Hasura
GraphQL · Firebase · Docker
GitHub Actions · Render

Core Competencies

Full Stack Development
Healthcare Tech (HIPAA,
HITRUST) · AI-Assisted Dev
DevOps/CI-CD
Team Leadership

EDUCATION

Ali Ahmed School
Dhaka, Bangladesh
HSC - 2023
SSC - 2021

LINKS

Portfolio:
ismail-alam-portfolio.vercel.app
GitHub:
github.com/IsmailAlamKhan

PROFESSIONAL SUMMARY

Dedicated and results-oriented Full Stack Software Engineer and Team Lead with 5 years of industry experience, including 3 years specializing in remote development for US-based healthcare technology. Adept at navigating complex technical challenges and bridging the gap between responsive frontend interfaces and robust backend architectures. Proven track record of leveraging AI-driven workflows, Agile methodologies, and cross-timezone collaboration to drive business growth, optimize performance, and deliver exceptional user experiences in distributed work environments.

PROFESSIONAL EXPERIENCE

SaveLife.AI | US-Based (Remote)

Team Lead & Full Stack Engineer | Jan 2023 - Present (3 Years)

- ▶ Lead a distributed engineering team in developing and maintaining innovative healthcare technology solutions, ensuring high-quality code delivery and system reliability.
- ▶ Architect and implement full-stack features utilizing Python, Express.js, and modern frontends (Flutter, React.js, Next.js) to create seamless, secure user experiences.
- ▶ Collaborate directly with cybersecurity and compliance teams to ensure strict adherence to HIPAA and HITRUST standards, paving the way for successful FDA certification of core applications.
- ▶ Direct end-to-end FDA test cases, comprehensive usability testing, and client communications to ensure product-market fit and strict regulatory compliance.
- ▶ Spearheaded the integration of AI-powered development tools across the team, drastically improving coding efficiency and accelerating the software delivery lifecycle.

InS Tech Lab | Dhaka, Bangladesh

Co-founder & Lead Engineer | Feb 2026 - Present

- ▶ Co-founded a technical outsourcing agency, managing end-to-end full-stack development lifecycles for diverse client projects.
- ▶ Establish continuous growth and technical mastery within the team, researching and integrating cutting-edge technologies to exceed client expectations.

QuirkyBuddy | US-Based (Remote)

Full Stack Engineer (Part-time) | Nov 2023 → Sep 2025

- ▶ Spearheaded the performance optimization of an existing Flutter-based social media application, successfully executing a complex backend architecture migration from Firebase to Supabase.
- ▶ Architected and implemented core platform functionalities, including custom recommendation algorithms, real-time messaging, and push notification systems.
- ▶ Developed and deployed responsive React.js landing pages to drive user acquisition, handling

automated email workflows and authentication flows.

S8c1a1 | Spain-Based (Remote)

Mobile Application Developer | Feb 2021 → Mar 2023

- ▶ Developed a high-performance cross-platform mobile application (iOS/Android) for a social media startup using Flutter.
- ▶ Built and integrated complex native features, including advanced camera functionalities and real-time audio/video calling capabilities.

In-Tele-Health-America-LLC | US-Based (Remote)

Software Engineer (Contract) | Project-Based

- ▶ Engineered a comprehensive, cross-platform telehealth application for Desktop (Windows/macOS) and Mobile (iOS/Android) using Flutter.
- ▶ Integrated complex HTML rendering capabilities and secure subscription/trial logic into the application architecture.

World Health Organization (WHO) Initiatives | Remote

Full Stack Developer (Contract) | 2020 - 2021

- ▶ Developed mission-critical web and mobile applications for global health initiatives, including secure data entry portals for COVID-19 and Cholera patient tracking.
- ▶ Built comprehensive, scalable Admin Panels to manage and process large-scale epidemiological data efficiently.

OPEN SOURCE & SELECTED PROJECTS

Healthcare & AI Development

- ▶ dicom-scripts (Creator): Interactive Python CLI for complex DICOM medical imaging manipulation and anonymization using pydicom.
- ▶ AI Chat (Creator): Production-ready full-stack conversational AI platform with Next.js 16, React 19, TypeScript, Supabase, real-time SSE streaming, and multimodal vision inputs.
- ▶ Self-Hosted Infrastructure: Actively deploy and manage self-hosted instances of Supabase, n8n, and Ollama for scalable, privacy-focused backend architectures.

Software Utilities & Applications

- ▶ GameHunter (Creator): Cross-platform Flutter/FastAPI desktop application for real-time local hardware profiling and RAWG API game compatibility analysis.
- ▶ adb_ui (Creator & Maintainer): Flutter GUI for executing ADB (Android Debug Bridge) commands.
- ▶ Red Door Discord Bot: Fully containerized, production-ready Discord bot in Dart using Riverpod and fpdart for functional error handling patterns.
- ▶ audio_switcher (Creator): Cross-platform hardware-level audio management toolkit for Windows and macOS using Dart FFI and native scripts.