Yusef Harb

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Professional Summary

Software engineer with web and mobile experience. Expert in React, React Native, and TypeScript with strong focus on accessibility, performance, and responsive design.

Education

Iowa State University   *Exp. Grad: Dec 2025*
Bachelor of Science, Software Engineering

Experience

Lead Developer   *Ames, IA*
Automated Code Generation, Inc.   *May 2025 – Present*

- Lead engineer for an AI-powered video analytics SaaS platform, overseeing end-to-end product architecture, development, and deployment.
- Led UX and visual design; created a modern, consistent design system using NativeWind and reusable components.
- Built the Expo React Native app with TypeScript, including navigation flows, custom video player, and offline caching.
- Implemented Django backend with SQLite, authentication, REST APIs, and a media pipeline to AWS S3.
- Delivered Next.js marketing site and admin dashboard with shared UI and responsive layouts.

Senior Technician   *Ames, IA*
Iowa State University ITS Endpoint   *Oct 2022 – Present*

- Troubleshoot complex IT issues both remotely and onsite to ensure reliable support for university employees.
- Manage IT equipment lifecycle using MECM, Active Directory, and administrative tools.
- Act as a bridge between student technicians and admins, sharing updates and supporting workflows.
- Develop training materials and mentor new hires to enhance technical problem-solving abilities.

Projects

Fullstack Developer   *Jan 2025 – Present*
GridAI (Senior Design)

- Develop full-stack web platform for real-time electric grid visualization across utility and educational use cases.
- Build scalable frontend features using TypeScript and React including collaborative editing and real-time monitoring.
- Integrate WebSocket communication, Firebase authentication, and Dockerized services for multi-user interaction.

Frontend Developer   *Jan 2024 – May 2024*
Geoexplore (Software Development Practices)

- Led four-person team and built Android app using Java, REST APIs, MySQL, WebSockets, and Google Maps API.
- Earned Honorable Mention for Best Project and voted Best Team Leader in class.

Technical Skills

Languages: Java, C# (.NET), Python, C, C++, Swift, JavaScript/TypeScript
Frontend: React/React Native (Expo), Node.js, Tailwind CSS, HTML/CSS
Backend: Django, Express.js, MySQL, PostgreSQL, MongoDB, Firebase, REST APIs
Tools: Git, Docker, AWS, CI/CD, MECM, Active Directory, Jest, JUnit, Playwright