

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

Bachelor of Science, Software Engineering

Exp. Grad: Dec 2025

Experience

Software Developer

Automated Code Generation, Inc.

Ames, IA

May 2025 – Present

- Recruited by professor to join a faculty-founded startup as the first engineer for an AI video analytics SaaS platform.
- 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

Iowa State University ITS Endpoint

Ames, IA

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

GridAI (Senior Design)

Jan 2025 – Present

- 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

Geoexplore (Software Development Practices)

Jan 2024 – May 2024

- 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