

# Yusef Harb

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## Professional Summary

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

## Education

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### Iowa State University

Bachelor of Science, Software Engineering

*Exp. Grad: Dec 2025*

## Experience

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### Lead Developer

Automated Code Generation, Inc.

*Ames, IA*

*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 an Expo React Native project in TypeScript, enabling seamless access across Web, iOS, and Android.
- 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

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### 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

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**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