Yusef Harb

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Professional Summary

Full-stack Software Engineer skilled in React, React Native, and TypeScript, with a focus on accessibility, performance, and responsive design. Brings strong initiative and time-management skills to fast-paced team environments.

Education

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

Employment Experience

Lead Full-Stack 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.
- Collaborated in an Agile Scrum development cycle, coordinating sprints and priorities to deliver the product's MVP.
- Designed and built a cross-platform Expo React Native app in TypeScript with a cohesive design system using NativeWind and reusable components for Web, iOS, and Android.
- Implemented and maintained Django backend with SQLite, authentication, REST APIs, and AWS deployment; managed multiple projects end-to-end.
- Delivered a Next.js marketing site with a modern, accessible, and responsive design system.

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)

- Revamped legacy frontend from Mantine to ShadCN, modernizing UI components and improving design.
- Designed and implemented a real-time collaborative code editor using Monaco and Yjs, enabling live multi-user editing through WebSockets and Express backend synchronization.
- Worked with and integrated Docker, Neo4j, and InfluxDB backends to support collaboration features and data persistence.

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

- Led four-person team and built Android app using Java, REST, 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
Professional: Leadership, Team Collaboration, Initiative, Time Management, Communication