Yusef Harb

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Professional Summary

Software Engineer with hands-on experience in full-stack development, system administration, and leadership across startup, academic, and enterprise environments.

Education

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

Experience

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

- First part-time hire at a startup building a video analytics platform for AI-powered media workflows.
- Collaborate directly with founders in Agile environment to shape product direction and technical strategy.
- Develop UI features using Expo/React Native and TypeScript, including navigation flows and video playback components.
- Integrate frontend with Django backend and AWS S3 for secure media delivery and structured content loading.
- Create unit and integration tests to validate components and reduce regression risk during development.

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.
- Resolved front-end bugs and improved UI responsiveness to enhance user experience and app stability.
- Earned Honorable Mention for Best Project and voted Best Team Leader in class.

Technical Skills

Languages: Java, C# (.NET), Python, C, C++, 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