Axel Zumwalt

axelzum@gmail.com

CAREER PROFILE

Software Engineer passionate about user experience and enabling teams to work at a high potential. I am a creative problem solver and detailed project planner with strong leadership and technical experience.

SKILLS

JavaScript, TypeScript	Java Spring	AWS, Terraform	C, C++, C#, Python
React/Next.js	Node.js/hapi	S3, DynamoDB, Redis	Jira, Rally, Trello
Testing Library/Cypress	Java OSGi Modules	ECS, EC2, Lambda	Premiere Pro Video
Redux Toolkit, CSS	SQL, REST, GraphQL	CloudWatch, SNS, SQS	

Personal: Presenting and Public Speaking • Teaching/Mentoring • Event planning & management

WORK EXPERIENCE

John Deere • Des Moines, Iowa

Software Engineer II – John Deere Financial: Retail Financing **June 2023 – Present**
- Defined common usage patterns for TypeScript used by multiple teams to share domain data information.
- Added modern data fetching and caching to applications with Redux Toolkit Query.
- Redesigned Java Spring APIs to provide a shared way of calculating financial data across platforms.
- Onboarded new developers and mentored team members of various experience levels on code design.
- Works with business stakeholders and UX designers to define work and improve user experience.

Software Engineer – Intelligent Solutions Group: Land Management **June 2022 – June 2023**
- Initiated and led a year-long effort to upgrade UI test suites from Enzyme to React Testing Library.
- Shared knowledge on Testing Library and Cypress integration testing across product teams.
- Influenced the architecture, plan, and creation of a new React application, improving user experience.
- Managed AWS tech stack with Terraform modules. Created Redis, ECS, CloudWatch, SNS, and S3 services.
- Provide best possible experience for farmers interacting with autonomous precision agriculture data.
- Awarded an uncommon early promotion for my initiative and development as a technical leader.

Hy-Vee, Helpful Smiles Technology • Des Moines, Iowa   May 2021 – May 2022

Software Engineering Intern, Ecommerce Fulfillment
- Created a Next.js React application for online grocery order customer support.
- Added Node.js GraphQL resolvers to an existing REST API for use with new and existing applications.

Collins Aerospace • Cedar Rapids, Iowa   May 2019 – August 2020

Software Engineering Intern, Mission Systems: Test and Training Instrumentation
- Modular Java application design with OSGi Framework. Emphasis on strict requirements compliance.
- Performed scrum master duties, tracked team metrics, and regularly presented to program leadership.

Softronics Ltd. • Marion, Iowa   May 2016 – August 2018

Software and Mechanical Engineering Intern
- SolidWorks mechanical design, VBA in Excel process automation, C embedded systems development
- Radio and GPS signal processing, electronics manufacturing, and ISO quality testing.

EDUCATION

Iowa State University, Ames, Iowa   Graduated: May 2022

*Debbie and Jerry Ivy College of Business – **Master of Business Administration*** — GPA: 3.82
*College of Engineering – **Bachelor of Science in Computer Engineering*** — GPA: 3.80
- Graduated Magna Cum Laude with Honors Distinction

LEADERSHIP AND ACTIVITIES

Newton High School • Newton, Iowa – *Drumline Instructor*   **August 2022 – Present**

Iowa State University Honors Program – *Classroom Instructor*   **August 2017 – May 2022**

Iowa State University Cyclone Marching Band – Bass Drum Guide   **August 2018 – May 2022**

All-Star graduate of Gavin Jerome's Comedy College   **May 2019**