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Summary

As a full-stack Senior Software Engineer at Alaska Airlines, I am dedicated to developing simple and maintainable software solutions that fulfill business stakeholder needs. I have experience in cloud (AWS, GCP, Azure), testing (Cypress and Jest), frontend and backend for both web and mobile development, and relational and non-relational databases. Also, I have a background in Machine Learning from my Computer Science Master's degree program and would love to harness these skills out in the field if given the opportunity.

I can collaborate with a diverse team through pair programming or I can work independently. I aspire to grow my mentoring and influence skills to improve my leadership abilities.

In addition to my work at Alaska Airlines, I am currently pursuing a degree in international security at Harvard Extension School, with a focus on cybersecurity and intelligence. I would like to use my knowledge and technical expertise to help address the security and geopolitical challenges to make the world a better place.

In my free time, I am an active member of the open-source (OSINT) and cybersecurity community, contributing to a variety of investigations and participating in workshops, and conferences to stay up-to-date on the latest technologies and trends. I have a growing interest in public policy concerning intelligence and cybersecurity.

If you're looking for a full-stack Javascript engineer that isn't afraid to learn new things, I would be happy to connect. Let's chat!

Experience



Senior Software Engineer

Alaska Airlines

Jun 2022 - Present (10 months)

Responsibilities:

- The majority of my time involves writing code for our web app apart of our modernization initiative. I can work independently or through pair programming. <https://www.alaskaair.com/search/>
- I do both backend and frontend development
- Writing unit tests and e2e tests for quality assurance
- Working with third party providers to do feature driven development with feature flags
- Using our cloud provider to set up CDN
- Practicing DevSecOps by integrating security automation tools in our CI/CD pipeline
- Collaborating with our product managers and product designers to ensure our UI implementation is fine-tuned for perfection and meets ADA requirements and stakeholder requirements.
- Assisting with the maintenance of our open-source design system and component library <https://auro.alaskaair.com/#gsc.tab=0>
- Learning airline industry domain knowledge. This includes fare price bucketing, slices and segments, interline markets, international markets, codesharing with partners in the Oneworld alliance, and rewards (mileage points)
- Developing using agile scrum (2 week sprints)

- Log analysis and RUM

Impact

- Fixing bugs in the sorting and filtering logic
- Writing logic for determining our international flights
- Implementing feature flags
- Adding git hooks to enforce high code quality, standardization, and reducing the number of errors entered into the main branch.
- Assisted with setting up CDN and preview environments for our web app
- Did an architecture exploration exercise using formal decision-making techniques to help the team come to a consensus for the best approach for implementing a solution.
- Conducted incident post-mortem and work with team member to generate a report to share with leadership
- Improved accessibility

Extracurriculars

- Serving as the vice chair of the Women in Technology (WiT) Business Resource
- Member of the machine learning guild
- Involved in the Cybersecurity and Data Privacy working group



Software Engineer

Keller Williams Realty, Inc.

Jul 2021 - Jun 2022 (1 year)

Working closely with MLS listing data for feature development and bug remediation on Keller Williams's consumer-facing platform kw.com and KW mobile app. In addition, working on the KW Worldwide initiative to perform localization for international markets. I collaborate with an offshore team.

- Full-stack software development, creating unit tests, doing smoke tests, and cloud development
- Conducting code reviews
- Organizing and leading team meetings.
- Assisting associate engineers and peers with problem-solving and knowledge sharing to improve overall team productivity.
- Interviewing candidate for individual contributor position.
- Assisting Senior Director and VP with product research, discovery calls with vendors and generating evaluation reports.
- Overseeing the procurement of new tools to use within the enterprise.
- Growing companies Black ERG from the ground up with small team to kickstart DEI initiatives within the company
- Assisting InfoSec team with Information Security and data governance



Lead Software Engineer

Deloitte

Sep 2020 - Jul 2021 (11 months)

Senior Full-stack Software Engineer working with an Agile Scrum team to support several Federal government agencies with eDiscovery. Engagement with product team and stakeholders to review business requirements and product designs. Also, collaborating with offshore QA team and setting up a CI/CD pipeline.



Senior Software Engineer (contractor)

Deloitte via CSI Tech

Jan 2020 - Aug 2020 (8 months)

Full-stack senior software engineer working with an Agile Scrum team at top global accounting and consulting firm (Big 4). Supporting federal agencies in their eDiscovery practice. Engagement with product team and stakeholders to review business requirements and product designs. Also, collaborating with offshore QA team.



Frontend Software Engineer

Usio, Inc.

Aug 2019 - Jan 2020 (6 months)

- Front-End software development
- Setting up CI pipeline
- Product management (User story creation, prioritization of work items, stakeholder management)
- Introducing Scrum Agile methodologies to the software development team (Sprint planning, sprint reviews, and retrospectives)
- Test automation
- Creating a process for version control branching strategies, change control, and release strategies
- Eliciting and documenting business requirement with ANSI flow diagram
- Collaborating with backend developer to create client-consumable responses.



Frontend Software Engineer

Unum

Dec 2018 - Jul 2019 (8 months)

Front end development

- Building mobile responsive applications from UX designs
- Creating Unit Tests
- Working with version control (trunk-based development) and CI/CD processes
- Building website with knowledge base on well-known CRM.
- Working on Agile/Scrum team. Leading Daily Stand Ups, Retrospectives and Sprint planning ceremonies
- Data analysis and reporting
- Integration of Headless CMS with client side application
- Chatbot configuration
- Research and development of Machine Learning technologies for Natural Language Processing



Application Developer

BlueCross BlueShield of Tennessee

Aug 2017 - Dec 2018 (1 year 5 months)

- Product owner and business analyst working with several development teams simultaneously to coordinate and create enterprise solutions
- Eliciting business requirements, design, prototyping, scope analysis, requirement documentation, context diagrams, and process visualization.
- Creating well-defined spikes, user stories, and epics for Agile teams
- Project management for small to medium-sized projects using Project portfolio management tool
- Scheduling and leading meetings with SME, stakeholders, leadership, and development teams
- coordinating priorities with stakeholders, dev teams, and, QA teams
- mentoring junior team members

- front-end software development



Intern

BlueCross BlueShield of Tennessee

Mar 2017 - Aug 2017 (6 months)

Working in an Agile Environment

- Business Analysis
- Product Management
- User Story development and refinement
- Developing test cases and quality assurance
- software development



Software Developer Intern

CodeScience

Jan 2016 - Oct 2016 (10 months)

- Development utilizing Salesforce's Force.com platform. Implementation of declarative and programmatic tools to build Force.com apps
- Salesforce Trailhead training
- Implementing UI/UX Design techniques:
- Whiteboarding technique to create flow diagrams
- Wireframing and Mockups using Sketch
- Generating marketing research report using Google Analytics and Hubspot
- Creating User Stories
- Creating User Personas

Education



Harvard Extension School

Graduate certificate, International Security

Jan 2023 - Present

The study of intelligence communities and how they interact with policy makers. The formal discipline of collection, analysis and dissemination of information. Study of cyberspace from a national and international security standpoint and how public policy is created for this emerging domain.



The University of Tennessee at Chattanooga

Master's degree, Computer Science - Data Science

2015 - 2018

Concentration in Data Science. This involved learning various AI and Machine Learning algorithms and applying them with Jupyter Notebook and Tensorflow (Python). Hand on experience with offensive and defensive cybersecurity & digital forensics, cloud computing (AWS and GCP) and software development. Implemented Hadoop and Cluster Computing on AWS. Studied 5Vs of big data.



University of Tennessee, Knoxville

Bachelor's Degree, Animal Science

2010 - 2014

Studied pre-veterinary medicine which encompasses agricultural production of livestock such as beef cattle, poultry, dairy cattle and sheep. In addition I learned about animal behavior, agricultural economics and animal ethics.

Core classes included quantitative heavy courses such as biochemistry, organic chemistry, anatomy & physiology, reproductive science, and calculus and statistics.

Licenses & Certifications



React - HackerRank



International Cyber Conflicts - Coursera

A2YDVA5Y9F8Q



OSINT mini - The Cyber Institute

hrsx2edmjk



Maltego CaseFile - The Cyber Institute

dhbqadodst



OSINT Essential Training - LinkedIn



JavaScript (Basic) Certificate - HackerRank

2B565DB4DE5B



IT Security: Key Policies and Resources - LinkedIn



Cyber Incident Response - Coursera

XJCN3HTWJUR7



Communication Skills for Professionals - The University of Texas at Austin –
Center for Professional Education (CPE)

Skills

React.js • React Native • Svelte • TypeScript • Node.js • Cloud Computing • Git • JavaScript •
MongoDB • Jest

Honors & Awards



Women in Cyber Security (WiCyS) Conference Scholarship - Tennessee Tech
University and Various other Sponsors

Mar 2016



MacKee Food Scholarship Award - McKee Foods

Jan 2017



ChaTech Scholarship Recipient - ChaTech Council

May 2018



React Conf Scholarship - React Conf

Feb 2019