Todd Carney

Sr. Software Engineer

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EXPERIENCE

SIBI – Sr. Software Engineer

November 2022 - Present

As part of the Partner Integrations team, I completely re-architected our entire integrations platform resulting in a 70% decrease in the time it took our team to integrate an external partner's API into our system. I am responsible for managing the software for 15 partner integrations and key platform functions such as ordering, pricing, and availability.

Lucidworks - Sr. Software Engineer, Cloud

November 2021 - September 2022

As part of the Identity and State Management Team, I was responsible for configuring and maintaining the Authorization and Authentication, and State Management system for Springboard, Lucidworks' new SaaS offering. We used Okta to handle the Authentication and Authorization, we also had some of our own authentications via scopes using Spring Security. For State Management, we implemented the service that was the single source of truth for the entire platform.

BKS-CIS, Jet Propulsion Laboratory – *Sr. Software Engineer*

March 2021 - October 2021

Implemented three applications with the serverless framework in an effort to reduce cloud computing costs by up to 90%. This approach allows the tools to be always available but only pay for the time they are run. Using this framework allows the dev team to spend less time, 5 hrs per week on average, on maintenance and more time delivering features.

AgJunction – *Embedded Software Engineer*

September 2019 - March 2021

Software lead for a next-generation auto-steering (like self-driving but only the steering for agriculture) product.

Implemented Docker on an embedded Linux device providing greater modularity which allowed my software team to use a microservices architecture on an embedded system.

General Dynamics – *Software Engineer*

MAY 2015 - SEPTEMBER 2019

Responsible for the development and maintenance of the testing software (C#) and data analysis tools (Python) of a software-defined radio.

Maintained the embedded software (C++) of a software-defined radio used for production and engineering testing

SKILLS

- System Design and Architecture
- AWS
- GCP
- Serverless Applications
- Infrastructure as Code
- Data Analysis
- Web Development
- Docker
- Problem-Solving
- Ability to quickly learn and apply new skills
- Presenting technical information to non-technical audiences

LANGUAGES

- Typescript - Proficient
- Go - Proficient
- Python - Proficient
- Html - Intermediate
- CSS - Intermediate
- React - Intermediate
- Astro - Intermediate

FRAMEWORKS

- SST
- Serverless Framework
- Terraform
- React
- Astro

EDUCATION

Arizona State University, Tempe, AZ

B.S. *Electrical Engineering*

PROJECTS

Personal Site — *Web Application*
URL: http://trcarney.com
Source Code: https://github.com/trcarney88/portfolio