

Ava Silver

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Experience

Datadog - Software Engineer II - Serverless Onboarding & Enablement June 2025 - present

- Designed and implemented onboarding tooling for customers using Azure & GCP serverless products to simplify and automate the monitoring setup process
- Developed an internal system for deploying, testing, and releasing serverless monitoring products to ensure reliability and improve development velocity

Datadog - Software Engineer II - Azure Integrations January 2022 - June 2025

- Lead development of a new open-source product 📦 for collecting and forwarding Azure logs which has dramatically improved the customer setup experience and drastically increased the volume of logs collected
- Developed and deployed Azure API crawlers on Kubernetes as part of a microservices architecture for collecting and submitting metrics/resource metadata from Azure into Datadog
- Quickly earned a promotion from Software Engineer I to II after roughly 1 year since returning full-time in 2023

Microsoft Azure - Software Engineer Intern - Core SDN Fundamentals June - August 2022

- Created testing framework for Xaml Pipelines for deployment of Virtual Network Load Balancers
- Added tests using the framework for portions of the codebase previously untestable

Bose - Software Engineer Intern - Automotive Division January - July 2021

- Developed Android applications for Android Automotive using robust design patterns
- Worked on extending the Android OS source code to allow for the implementation of custom audio processing and interop between the Application and Native layers

Northeastern University College of Computer Science September 2020 - December 2021

Head TA and Tutor for Fundamentals of Computer Science 1 Accelerated | TA for Algorithms and Data

- As Head TA, led lab sections and conducted office hours to support and teach students
- Supervised grading done by other TAs, graded exams to provide useful feedback to the students

Education

Northeastern University - Boston, MA Fall 2019 - Spring 2023

B.S. of Computer Science with Software Concentration

GPA: 3.9/4.0 | Dean's List 5 Semesters

Notable courses: Networks & Distributed Systems, Wireless Network Security, Web Dev, Object Oriented Design

Skills

Languages, Frameworks, & Technologies

Python, Typescript, Rust, Go, C#, OCaml, C, SQL

Web (React, Electron), Android (Kotlin, Compose)

Azure, AWS, GCP, Terraform, Kubernetes, Docker

Bash, Linux Utils, Git, GitLab

Projects

doc2ann 📄 - *Python, Typing, Language Parsing* September 2023

- Designed a Python CLI to convert Python function docstrings into type annotations for improved type safety
- Published to PyPI for easy installation and use

Time Helm 📱 - *Kotlin, Android Studio, Compose* 2023 - present

- Developed an Android app using modern Android development tooling to gamify time tracking spent working
- Initially created for my sister for her PhD, but recently published to the Play Store for public use

MOAS Web Client 🌐 - *React, TypeScript, Redux, Electron* December 2021 - February 2023

- Created web client for Antenna control via communication with a relay sever over WebSocket
- Implemented mobile-first responsive design with Bootstrap
- Built as a desktop app using electron to deploy the app and server together

Web Scraper 🐙 - *Rust, Networking, Cookies*

October 2021

- Created a web scraper/crawler to navigate a site and collect a series of flags for a Networks course project
- Managed Cookies and a Keep-Alive connection manually for continued exploring and efficiency