

## WORK EXPERIENCE

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### Microsoft

Dec. 2019 – Sep. 2023

*Software Engineer*

*Redmond, WA*

- Redesign and rebuild Microsoft's global finance software using C#, Scala, SQL, and a distributed system built using Azure microservices and Apache Spark. Some software consumed and modified upstream data, others were disparate REST web apps developed for specific customer needs.
- Develop new ingestion and processing pipelines, testing and telemetry automation, incident creation automation, resolve active incidents during on-call rotations, and collaborate with other engineers throughout planning, development, testing, and deployment.
- Mentor new hires or operations team members, and onboard other engineers to tools I developed where I was the primary point of contact. Utilities I built outside of my sprint scopes were used as a model for adjacent teams and I worked with engineering teams to help develop POC's for their scenarios.
- Create and maintain automation pipelines for data monitoring and CI/CD deployment. Through these data monitoring pipelines I reduced manual work by my team and our operations team in managing a 24/7 system.

### SS&C Advent Software

Jun. 2018 – Nov. 2018

*Software Engineer Intern*

*San Francisco, CA*

- Build scripts for Jira data exports for PowerBI reporting. This project created an accessible report workspace for VPs and non-engineering roles.
- Create a CLI to push internal logs from on-prem user machines to a central server using Splunk.

### Nexcopy Inc.

Feb. 2016 - Jan. 2018

*Software Developer*

*Lake Forest, CA*

- Maintain and improve a globally distributed data security software in C++. Develop a viewer application for accessing proprietary flash drives with custom firmware hooks. These hooks were the mechanism which protected drive data from unwanted copying and modification.
- Manage multiple websites to optimize search engine visibility based on changing web and mobile standards. Reached and maintained 3 of the top 5 Google results for the key phrase of the product, "USB Duplication".

## EDUCATION

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### San Francisco State University

December 2019

*B.S. Computer Science*

*San Francisco, CA*

- Emphasis in Algorithm Analysis and Theory of Computing with capstone projects that grew my familiarity with AI neural networks, parallel threads, and proving expected performance results with experimental data.
- Software contributor for the SFSU Micromouse Project. Required work with sensor recognition, input/ output control using Arduino Uno and Arduino Zero, and implementation of shortest-path algorithms.

### Saddleback College

December 2017

*Associate's Degree for Transfer, Mathematics*

*Mission Viejo, CA*

## SKILLS

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- Proficiency in C++, C#, Java/Scala, Javascript, SQL, Object-Oriented Programming, and Agile Methodologies.
- Familiarity with Python, Rust, .Net Core, React frameworks, AWS, and Spark.
- Professional experience with Azure, microservices/distributed systems, Git, Azure DevOps CI/CD and the Atlassian equivalents, and Full-stack development.