# Cyrus Riahi

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## WORK EXPERIENCE

**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.

**Microsoft** **Jun. 2019 – Aug. 2019**

*Software Engineer Intern* *Redmond, WA*

- Collaborate with other Engineers and PMs throughout the planning, implementation, and review stages of the development cycle. Form a clear understanding and proficiency in tools including Azure DevOps, CosmosDB, Azure Data Lakes, .Net Core, Scala, Spark, and CI/CD pipelines.

**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.

## EDUCATION

**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

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