

# CHRISTOPHER J. BURESCH

Preferred Name: Cj ◇ he/him ◇ Senior Software Engineer ◇ Seattle, WA

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## OBJECTIVE

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Seeking a team focusing on big data problems! I enjoy and specialize in massively distributed, highly available, and fault-tolerant services; working on everything from the metal (or cloud) up.

## SKILLS

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<b>Proficient Languages</b>	Scala, Java, Python, C#, SQL
<b>Relevant Experience with</b>	Scalding / MapReduce, Airflow, Hadoop, Docker, K8s
<b>Learning Languages</b>	Rust, Go

## EXPERIENCE

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<b>Senior Software Engineer</b>	Sept 2022 - Nov 2022
Blobstore (Distributed Storage), Twitter, Inc.	<i>Seattle, WA</i>

- Designed and implemented a new chargeback model and service to give customers more granular and accurate resource charges for their use-case. Charges are per dataset by data locality, storage tier, class, and resource.
- Wrote a new compliance service that might edit access to or delete out-of-compliance datasets when signaled from the InfoSec or Legal team.
- Maintained anti-data-entropy services and tooling, processed massive metadata datasets in multi-step pipelines to ensure customer dataset integrity.
- Responsible for service design and code, monitoring, tooling, system health, system config, load testing, capacity planning and oncall.

<b>Site Reliability Engineer II — Software Engineer II</b>	Dec 2018 - Sept 2022
Blobstore (Distributed Storage), Twitter, Inc.	<i>Seattle, WA</i>

- Designed and built a topology-aware locking service to ensure automation and deploys could operate in parallel without affecting service health. This unlocked other opportunities like automated deployments, which increased release cadence from monthly to weekly.
- Wrote compliance automation using Airflow for kernel and firmware updates. Rolls 8k machines across multiple datacenters in less than 30 days with no manual intervention and limited service impact.
- Migrated multiple services from baremetal to Aurora (Mesos) compute clusters to ease operational burden and to improve development velocity.
- Responsible for service monitoring and tooling, system health, system config, load testing, capacity planning and oncall.

<b>Software Engineer</b>	Aug 2015 - Nov 2018
Dynamics, Microsoft Corporation	<i>Seattle, WA</i>

- Started in SRE moved to SWE for more responsibilities and larger breadth of work. Supported product services, service infrastructure on Azure and service health.

## EDUCATION

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<b>Bachelor of Science, Computer Science</b>	2011 - 2015
Gonzaga University	<i>Spokane, WA</i>

## Clubs and Activities

Men's Rowing, Div. 1	<i>2011-12</i>	ACM ICPC, PNW	<i>2012, '13, '14</i>
Computer Science Club	<i>2012-15</i>	Math Club	<i>2013-15</i>
Cycling Club	<i>2013-15</i>	WSU Hackathon	<i>2015</i>

### **Achievements**

3rd On-Site, ACM ICPC (PNW) *2013, 2014*

### **LEADERSHIP**

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- Mentored 3 new graduate hires and interns. Held bi-weekly or weekly 1:1's to help them ramp up into Twitter Engineering.
- Ambassador for Twitter Seattle 2021-2022. Responsible for planning holiday events, creating opportunities for colleagues to socialize, assisting onsite operations management.

### **EXTRA-CURRICULAR ACTIVITIES**

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- Avid Mountain Climber! Summited Mt. Baker, Mt. Shuksan, and Mt. Hood.
- 3d Printing enthusiast! I solve my everyday problems with plastic.
- I play tabletop, RPG and video games!