

# AUSTIN ATCHLEY

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## WORK EXPERIENCE

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### Amazon Web Services, Inc.

August 2020 - August 2023

*Software Development Engineer II*

*Seattle, WA*

- Core developer for a Tier-1 internal service that automates lifecycle events between Amazon and its subsidiaries using serverless technology, serving around 1 million requests per day, distributed across 3 regions
- Reduced the time for user account disablement propagation from ~1 day to near real-time, replacing a risky manual process and patching a critical security hole in Amazon's cross-enterprise fabric
- Solo-designed-and-implemented an SDK and architecture pattern that allows internal teams to convert asynchronous identity notifications into synchronous API calls for their SCIM-compliant products, enabling a new set of use cases for the core service across ~20 first-party and third-party potential applications
- Collaborated with customer teams to onboard ~15 separate identity stores (including Amazon, Whole Foods Market, Twitch, and Zoox) to the service, helping to enhance each organization's security. Led multiple customer meetings weekly to facilitate usage of the project and collaboratively solve issues with service-to-service integration

### Amazon Web Services, Inc.

June - August 2019

*Software Development Engineering Intern*

*Seattle, WA*

- Constructed a full-stack application that helps internal Amazon developers implement secure authorization flows in their projects. Built with AWS tools using Spring Boot on EC2, DynamoDB for storage, and KMS for token signing

### Amazon Game Studios

June - August 2018

*Software Development Engineering Intern*

*Irvine, CA*

- Designed and implemented a multiplayer game template packaged with the Amazon Lumberyard game engine
- Resulted in a ~5 hour reduction in developer time spent on writing boilerplate code for each multiplayer project

## EDUCATION

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### The University of Texas at Austin

*Graduated May 2020 with High Honors*

BS in Computer Science, BA in Plan II Honors

GPA: 3.81    Dean's List, Magna Cum Laude

## PROJECTS

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### austinatchley.xyz

- Statically-served personal website built using Hugo and Markdown. Overly optimized for low-latency, using S3 for serving static files, CloudFront for CDN, and Lambda@Edge. Implemented a cache invalidation deployment step

### Message in a Bottle

- Full-stack web application that allows pedestrians around Seattle to anonymously create and view notes, referenced by generated QR codes posted on telephone pole posters
- Written in TypeScript using Remix, React, PostgreSQL, and TailwindCSS. The infrastructure is hosted on Fly.io, and deployments are run through GitHub Actions, with an end-to-end testing suite created using Cypress
- Leverages Remix's seamless server and browser runtime to provide a snappy UX using progressive enhancement

### AWS Cloud Development Kit

- Open-source contributions to the AWS Cloud Development Kit (CDK) project outside of work, including the creation of a new Construct that allows users to create API Gateway WebSocket resources using Infrastructure-as-Code

## TECHNICAL SKILLS

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**Languages:** Java, TypeScript

Previous exposure to C, C++, Python

**Cloud:** AWS Lambda, API Gateway, DynamoDB, SQS, IAM, Route 53, KMS, CloudFront, Cloud Development Kit

**Misc.:** SCIM (System for Cross-domain Identity Management), OAuth, Remix, TailwindCSS, Hugo