

AUSTIN ATCHLEY

NYC Metro Area

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WORK EXPERIENCE

Amazon Web Services, Inc.

August 2020 - August 2023

Software Development Engineer II

Seattle, WA

- Founding developer for publisher/subscriber service for automating lifecycle events between Amazon and its subsidiaries, serving around 1 million requests per day across 3 regions using serverless technology
- 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 extension service that allows internal teams to convert asynchronous identity notifications into synchronous API calls for their SCIM-compliant products, enabling a new set of business cases for the core service across first-party and third-party applications
- Collaborated with customer teams to onboard 15 separate identity stores (including Amazon itself, Whole Foods Market, and Twitch) 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

The University of Texas at Austin

Graduated May 2020 with High Honors

Computer Science and Plan II Honors

GPA: 3.81 Dean's List, Magna Cum Laude

PROJECTS

austinatchley.xyz

- Statically-served personal website built using Hugo and Markdown. Served from S3, using CloudFront for CDN, Lambda@Edge for dynamic request routing, and AWS Certificate Manager to manage TLS/SSL certificates.

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 poles
- Written in TypeScript using Remix, React, PostgreSQL, and Tailwind CSS. 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, including the creation of a new Construct that allows users to create API Gateway WebSocket integration resources using Infrastructure-as-Code

TECHNICAL SKILLS

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