AUSTIN ATCHLEY

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WORK EXPERIENCE

Amazon Web Services, Inc.   August 2020 - Current
Software Development Engineer II   *Seattle, WA*
· Founding member of a team tasked with building a greenfield publisher/subscriber service for automating lifecycle events for teams across Amazon and its subsidiaries, serving around 1 million requests per day across 3 regions
· Reduced the time for user account disablement propagation from ∼ 1 day to near real-time, patching a critical security hole in Amazon's cross-enterprise fabric
· Conceptualized, designed, and implemented an extension microservice that allows service-owners to convert notifications into API calls for their SCIM-compliant products, enabling a set of use cases for triggering identity workflows in arbitrary third-party SaaS applications
· Collaborated with customer teams to onboard 15 separate use cases (including Whole Foods Market, Twitch, and Amazon itself) to the service, helping each of them to enhance their 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 in C++ 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

Message in a Bottle
· Full-stack web application that allows pedestrians around Seattle's Capitol Hill neighborhood to anonymously create and view notes on virtual boards referenced from 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

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

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 experience with 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), Remix, TailwindCSS, Hugo