AUSTIN ATCHLEY

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WORK EXPERIENCE

Amazon Web Services, Inc.   August 2020 - August 2023
Software Development Engineer II   *Seattle, WA*
· Core developer for a Tier-1 service that delivers lifecycle events between Amazon and its subsidiaries, using Java and serverless AWS technology. Currently serving 1 million requests per day across 3 regions
· Using AWS CDK, Designed and implemented an infrastructure management scheme in TypeScript to automate deployments across an arbitrary number of AWS accounts and regions for the distributed version of the service
· Solo-designed-and-implemented an SDK and architecture pattern in Java 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 20+ first-party and third-party applications across Amazon and its subsidiaries
· 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

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

austinatchley.xyz
· Statically-served personal website built using Hugo and Markdown. Overly optimized for latency, using S3 to serve static files, CloudFront for CDN, and Lambda@Edge for compute. Implemented cache invalidation deployment step

Message in a Bottle
· Full-stack web application that allows users to anonymously create and view notes, referenced by generated QR codes posted on telephone poles
· 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

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

TECHNICAL SKILLS

Languages: Java, TypeScript   Previous experience with C, C++, Python, Kotlin
Cloud: AWS Lambda, API Gateway, DynamoDB, IAM, CloudFront, CDK, CFN, Route 53, SQS, SNS
Other Skills: Spring Boot, PostgreSQL, SCIM, OAuth, React, Remix, TailwindCSS, Hugo, Docker, CI/CD