

James Park

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EXPERIENCE

Software Development Engineer I

Amazon Web Services August 2022 - Present, Seattle, WA

- Designed and delivered high-scale, security-first features for AWS Systems Manager, serving a customer base of 100,000+ and leveraging Java, Golang, TypeScript, and AWS services (S3, CloudFormation, IAM, DynamoDB, EC2, CloudWatch, SQS, SNS).
- Led a 14-month project to build an AWS SSM microservice in 7 isolated ISO-certified regions, requiring close coordination with multiple engineers with ISO access and bringing AWS services in ISO regions up to parity with commercial regions.
- Built an additional UI component in the service's AWS web console for accessing the SSM Documents API (AWS SDK, TypeScript, React, Jest, Sinon).
- Optimized the AWS SSM Session Manager microservice's ability to stream to AWS CloudWatch Logs in real time (Golang).
- Reduced the AWS SSM Health microservice's region expansion time from 2 months to 2 weeks by creating comprehensive, standardized documentation that streamlined the process for 3 new regions.
- Transitioned the service's region expansion efforts from a manual process to an automated zero-touch approach, saving ~100 man-hours per new region (CloudFormation, IAM, internal CI/CD tools).

PROJECTS

Contributor

Next.js • <https://github.com/vercel/next.js/pull/36876> • May 2022 - May 2022

- "Include router.asPath caveats in docs" #36876

Volunteer

IEEEVR 2020 Research Conference • <https://ieeervr.org/2020/> • March 2020 - March 2020

- Moderating and troubleshooting Mozilla Hubs (A-Frame) social spaces designed for presenting postgrad CS research focused on graphics, UX research for VR.

EDUCATION

MSc in Computer Science

Georgia Institute of Technology • 2022 (Relevant Coursework Completed)

BA in New Media and Digital Design

Fordham University • 2021

CERTIFICATIONS

Harvard CS50 Intro to Computer Science

edX • 2019

Certified completion of foundational Computer Science curriculum virtually taught from Harvard and Yale University.

SKILLS

Soft Skills: Technical Writing, Documentation/Wikis/Notes, Delivering On Time, Initiative, Planning, Cross-Team Communication

Software: Javascript, TypeScript, React, Java, Golang, Ruby, AWS, CloudFormation/Infrastructure-as-Code(IaC)