James Park

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EXPERIENCE

Software Development Engineer
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://ieeevr.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

BA in New Media and Digital Design
Fordham University

CERTIFICATIONS

Harvard CS50 Intro to Computer Science
edX
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)