




Joseph Cosentino

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EXPERIENCE

Amazon Web Services

Seattle, Washington

Software Engineer II - Amazon MQ

Sept 2024 – Present

- Designed a public, serverless API for safely deleting broker configurations
- Built a process for safely backilling millions of DynamoDB items in 20+ regions.
- Led technical design reviews with the AmazonMQ team, UX, Security, Product, and API bar raiser.
- Mentored several engineers across AWS teams.

Amazon Web Services

Seattle, Washington

Software Engineer I → II - Amazon IoT Greengrass

Feb 2022 – Sept 2024

- Implemented MQTT5 protocol support across all open-source AWS IoT Greengrass components.
- Enhanced the AWS IoT Greengrass local authorization system to allow variables and wildcards in policy documents, addressing a common customer pain point.
- Integrated a custom, C++ storage library within AWS IoT Fleetwise's edge agent for connected vehicles.

Comcast

Philadelphia, Pennsylvania

Software Engineer III - xFi Speed Platform

Sept 2020 – Feb 2022

- Developed APIs for speed testing customer gateways and connected devices.
- Implemented localization support for the device speed test API in collaboration with front-end engineers.

Comcast

Philadelphia, Pennsylvania

Software Engineer II → III - DVR Scheduler Platform

May 2017 – Sept 2020

- Redesigned the DVR Scheduler's metadata indexing system to a serverless architecture, servicing 10M+ customers.
- Architected and delivered a "Who's Watching" API to track user channel viewing at an account level, using AWS Lambda to ingest 1B daily events into ScyllaDB.

QVC

West Chester, Pennsylvania

Software Engineer

Jan 2016 – May 2017

- Developed Java-based warehouse management APIs.

SKILLS

Languages: Java, Python, Golang, Typescript, Erlang, C++

AWS: DynamoDB, Lambda, ECS, EC2, SNS, SQS, CloudWatch, S3, API Gateway

Tools: CloudFormation, CDK, Terraform, Packer, Maven, Concourse CI

Protocols: HTTP, gRPC, MQTT

EDUCATION

West Chester University of Pennsylvania, Honors College

B.S. in Computer Science, Class of 2015, Summa Cum Laude