CASSANDRA NEWCOMER
Seattle, WA

EXPERIENCE

Software Engineer | Amazon Web Services (AWS)   Mar 2020 – Present
Java, AWS Cognito, AWS SSO/ IAM, AWS DynamoDB, AWS s3, AWS CDK
- Developed APIs for AWS Identity product offerings, with use cases ranging from enterprise workforce integrations (Microsoft AD) to consumer-facing identity provisioning (AWS Cognito)
- Helped migrate a complex set of monolithic legacy APIs to a unified microservice architecture while preserving a 99.999% uptime SLA with production traffic serving millions of requests per second
- Maintained underlying CI/CD infrastructure for outgoing code changes, performed load testing, and setup automated monitoring of performance metrics for an AWS Tier 1 service spanning 25+ regions and 80+ global availability zones

Software Engineering Intern | Convoy   Sep 2019 – Dec 2019
HTML5/CSS3, TypeScript, React, GraphQL, Node.js, AWS s3
- Researched, designed, and developed a new application feature (Bill of Lading generator) for shipments tendered through Convoy Connect
- Wrote code to query databases for shipment details, transform/insert the data into a PDF, store the result in an Amazon s3 bucket, and generate a signed URL to securely display the end result to the user in-browser

Software Engineering Intern | Oscar Health   Jun 2019 – Aug 2019
HTML5/CSS3, JavaScript, React, React Native, Redux, Python, Flask
- Built a new document center feature for the Oscar desktop and mobile apps
- Created an API that interfaces with services from across Oscar's internal codebase to surface account-specific insurance forms and display the output in a user-friendly format

Software Engineering Intern | IBM   Jun 2018 – Aug 2018
Java EE, JavaScript, React
- Wrote a full stack web application that ingests and analyzes social media complaints about the NYC subway system
- Created a Java EE back end that interfaces with the Twitter API, performs scheduled batch processing, serves static files, and provides the REST API for an interactive data visualization dashboard
- Developed internal JavaScript tooling to automate migration of repository issues from GitLab to GitHub Enterprise while preserving cross-issue reference links

Assistant Software Developer | City College of New York   Jun 2016 – Jul 2017
HTML5 Canvas, JavaScript, Node.js, Jekyll
- Built interactive, browser-native math and science visualizations for educational use by the physics department
- Used static site generator to update and maintain organization's webpage
- Created a REST API microservice to fetch, parse, and cache data from the GitHub API

EDUCATION

City University of New York, Queens College   Jan 2018 – Jan 2021
B.S. in Computer Science (GPA: 3.8/4.0)

Undergraduate Teaching Assistant | CSCI 381 (Advanced C++ Elective)   Jan 2019 – May 2019
Debugged students' understanding of CPP. Graded projects and exams.

PORTFOLIO: engineerwithoutfear.github.io
INTERESTS: science fiction, video games, cooking, automotive repair, costuming, photography, 3D printing