CASSANDRA NEWCOMER
Seattle, WA

EXPERIENCE

Software Engineer | Amazon Web Services (AWS)   Mar 2021 – Oct 2022
Java, AWS Cognito, AWS SSO/ IAM, AWS DynamoDB, AWS s3, AWS CDK
- Developed and maintained backend microservices for AWS Identity products, supporting enterprise workforce integrations (Microsoft AD) and consumer identity provisioning (AWS Cognito)
- Maintained CI/CD pipelines, performed load testing, and monitored production performance for a Tier-1 AWS service spanning 25+ regions with millions of requests per second under a 99.999% uptime SLA

Combat Robotics Engineer | Battlebots World Championship VII   Nov 2022 – Dec 2022
Team Overhaul
- Maintained and repaired a 250lb heavyweight combat robot ('Overhaul') for Discovery Channel's 2023 season of Battlebots, diagnosing and resolving mechanical and electrical failures between matches

Software Engineer | Independent   Jan 2023 – Present
HTML5/CSS3, TypeScript, Astro, Tailwind, Cursor, Cloudflare Pages
- Built and deployed a personal website for technical writing and project documentation using Astro, TypeScript, Tailwind, and Cloudflare Pages
- Maintained production deployments and CI/CD workflows while incorporating modern frontend tooling and AI/LLM-assisted development practices

EARLY EXPERIENCE & INTERNSHIPS

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

Undergraduate Teaching Assistant | CSCI 381 (Advanced C++ Elective)   Jan 2019 – May 2019
- Graded student projects and exams

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

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

EDUCATION

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

WEBSITE: engineerwithoutfear.github.io
INTERESTS: 3D printing, combat robotics, cars, costuming, photography, science fiction