

Jerry Aska

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TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript, Python, C++

Cloud Technologies: AWS (CloudWatch, EKS, EC2, RDS, CDK, IAM, CLI, SDK, CloudFormation), MySQL, DynamoDB

Containerization: Kubernetes (kubectl, k9s), Helm, Docker

Development Tools: Git, VS Code, cURL, AWS CLI

EDUCATION

New York University, Tandon School of Engineering, Brooklyn, New York *May 2023*

B. S. Computer Engineering, Minor in Psychology

St. Anthony's A-Levels Department, St. Johns, Antigua and Barbuda *June 2018*

A. S. Mathematics | *National Proxim Scholar for Academic Excellence; Valedictorian*

WORK EXPERIENCE

Amazon Web Services, Wickr | Manhattan, New York

Software Development Engineer – Backend and Messaging Team | July 2023 – Present

- Collaborate with 15 engineers to develop, deploy, and maintain scalable AWS-based backend solutions
- Actively participate in the on-call rotation, troubleshooting, triaging, and rapidly resolving critical customer issues
- Oversaw \$10k annual activities budget and orchestrated morale-building events for a 30-person team
- Led initiatives to improve the code review process by implementing standardized templates and analytical tools
- Deploy services to AWS secret and top-secret regions using AWS CDK to attain Impact Level 6 classification
- Led migration efforts of email-sender backend to native AWS services through collaboration with external teams
- Facilitated security reviews by acting as POC for service launches and participated in monthly vulnerability patching
- Mentored an intern in deploying metrics for self-hosted on-premises customers, giving guidance on best practices

Software Development Engineering Intern – Voice and Video Team | May 2022 – August 2022

- Revamped team metrics and monitoring, by integrating standard Amazon tools and techniques to team tech stack
- Overhauled UML diagrams of high-level system architecture to revitalize outdated team documentation
- Identified and corrected pitfalls in team's onboarding procedure, saving three hours of new hire training time

New York University, Tandon School of Engineering | Brooklyn, New York

Lead Teaching Assistant – Computer Architecture and Organization | January 2022 – May 2023

- Fostered a pressure free environment through personalized empathetic interactions for groups of ~20 students weekly
- Assisted 160 students with software installation and troubleshooting, Verilog, Intel x86 architecture, and caching
- Coordinated 7 other assistants to assess student performance and provide feedback with biweekly assignments

Teaching Assistant – Introduction to Computer Science | January 2023 – May 2023

- Instructed ~200 students in weekly activities aimed at familiarizing students with a Linux environment
- Worked with 2 other assistants to generate course content and materials to support students in weekly activities

SCRUM Master – Daimler Trucks Driveline Innovation Project | August 2022 – December 2022

- Managed a team of 4 students to create a custom work order tool for Daimler's drivetrain for senior design
- Facilitated weekly planning, stand-ups, and retrospective meetings to ensure project progress and team communication

Teaching Assistant / Inventory Deputy – General Engineering Department | August 2020 – December 2021

- Reduced wait times by up to 50% for 50 design groups by anticipating group needs to preemptively purchase materials
- Collaborated with a team of 25 deputies and 4 professors to optimize learning experience of all 350 students
- Hosted biweekly training in Arduino IDE, Fusion360, circuitry, and other key engineering skills for 15 – 20 students

VOLUNTEER EXPERIENCE

New York University, Tandon School of Engineering | Brooklyn, New York

Senator – National Society of Black Engineers | Brooklyn, New York | August 2022 – May 2023

- Contributed to decisions on national and regional matters such as board elections and constitutional amendments
- Strengthened public speaking skills by participating in monthly meetings using Robert's Rules of Order
- Demonstrated versatility, stepping into various roles as needed to ensure seamless execution of events and activities

Crystal Solutions | St. Johns, Antigua

Lead Volunteer – Blue Waters Hotel Food Drive | April 2020 - July 2020, April 2021 - July 2021

- Managed a team of 10 volunteers to clean, package, and deliver 6000 lbs. produce from local farms bi-weekly, resulting in access to fresh produce for hundreds of households affected by the Covid-19 pandemic