Areeba **Aziz**

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Education

McMaster University	*Hamilton, ON*
BACHELOR OF ENGINEERING (B.ENG), SOFTWARE	*Expected Graduation Dec 2022*

Work Experience

Amazon Web Services (AWS) — *Vancouver, BC*
SOFTWARE DEVELOPMENT ENGINEER (SDE) INTERN — *May 2022 – Aug 2022*
- Designed and implemented the new live output feature for an internal tool similar to Jenkins for creating and managing cron jobs. This new feature allows users to view the standard output and error streams live on the web UI while a job is running, as opposed to after the job completion.
- Designed for scale with the expectation of tens of thousands of concurrent jobs to be running at any given moment. Investigated and fixed several bugs revealed in Beta testing due to high loads.
- Full-stack project using Java, Ruby on Rails, HAML, JavaScript, AWS Kinesis Firehose and S3.

Amazon — *Remote*
SOFTWARE DEVELOPMENT ENGINEER (SDE) INTERN — *May – Aug, 2020 - 2021*
- Designed and built a secure internal webapp that allows developers and accountants visualize data related to Amazon.com orders. The webapp has been well received and is now actively being used by developers and accountants to aid in their daily tasks.
- Completed end-to-end delivery of the project including requirements gathering, design, implementation, testing, documentation, and deployment to the Production environment.
- Full-stack project using Java, ReactJS, AWS CloudFormation, EC2, Endpoint Service, VPCs, CloudFront, and CodeDeploy.

Arcturus Networks Inc. — *Etobicoke, ON*
DEVOPS SOFTWARE DEVELOPER INTERN — *Jan 2019 – Aug 2019*
- Managed the automated testing infrastructure and continuous integration (CI) of VoIP embedded systems products. Created the CI pipeline for over a dozen embedded system products, resulting in a nightly testing system that, for the first time, reported new regression bugs as soon as they are introduced.
- Performed manual tests on products, gaining hands-on experience in Wireshark, debugging low-level firmware, configuring SIP proxies and various types of network infrastructures, VLANs, STUN/ICE/TURN servers, firewalls, DHCP, and buildoot.

Checkout 51 — *Toronto, ON*
BACKEND SOFTWARE DEVELOPER INTERN — *May 2018 – Aug 2018*
- Developed an improved release management tool for the team's continuous development process using PHP, SQL/MySQL, JavaScript. Created a system that persists release information, automates tasks such as start Jenkins cron jobs and send emails to team members. Reduced the time for deployments from over 30 minutes to less than 5 minutes.
- Added new features to internal development tools; modified existing user-facing code that fixed bugs and added functionality. Successfully completed tasks originally planned for senior developers.

McMaster University Faculty of Engineering — *Hamilton, ON*
VARIOUS ROLES, PART-TIME — *Sept 2016 – Apr 2021*
- Demonstrated strong leadership, project management and communication skills over various part-time roles including: Special Projects Assistant, Recruitment & Communications Assistant, Archway Mentor, Teaching Assistant.

Skills

Languages:	Java, Python, JavaScript, C, HTML/CSS, Ruby on Rails, SQL, LaTeX, HAML
Tools/Frameworks:	React JS, git, Django, Wireshark, Jenkins, Docker
AWS:	EC2, S3, Kinesis Firehose, CloudFormation, CloudFront, VPC, CodeDeploy, Lambda
Hardware:	FPGA design, SystemVerilog, Verilog, Quartus II, ModelSim, Arduino, hobby electronics
Networking:	TCP/IP, VoIP, VLANS (802.1Q), SIP, STUN/ICE/TURN, DHCP

Extracurricular & Leadership

2020 - 2021	**President and Founder**,	Google Developer Student Clubs McMaster University
2019 - 2020	**Student Ambassador**,	OSPE McMaster Exchange Hub
2018	**Secretary**,	McMaster Electrical & Computer Engineering Society
2017 - 2018	**Co-Vice Chair**,	IEEE McMaster Student Branch