

Labib Chowdhury

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🔗 http://www.labibc.com/

EDUCATION

Queen's University, Master of Science - Computing

09/2021 – 04/2024 | Kingston, Canada

Specialization in Cybersecurity

University of Toronto, Honours Bachelor of Science

2016 – 2021 | Toronto, Canada

Computer Science - Statistics

Dean's List Award - 2017

Vice President | Computer Science Student Union - 2020/21

SKILLS

Languages

Python, JavaScript, Java, Bash, GoLang, C, PHP, R

Frameworks

PyTorch, NumPy, Pandas, Angular, React, NodeJS, Flask, jQuery, TypeScript, Apache Spark

Databases

PostgreSQL, MongoDB, Oracle, DynamoDB, Hadoop

Tools/Other

Git, AWS, Docker, Kubernetes, Jenkins, Google Guice, Vim, LaTeX, Unix, HTML, CSS, Kanban, Scrum

PROFESSIONAL EXPERIENCE

Analyst (Engineering), Goldman Sachs

07/2023 – present | Toronto, Canada

- Worked on API Platform team to maintain, enhance and support internal API Gateway platform
- Managed AWS services using Terraform, Gitlab CI, and Grafana to achieve a 99% uptime on the API Platform while handling approximately 1 billion requests per week
- Orchestrated the migration of the egress proxy across 35 clusters, transitioning from a third-party solution to an in-house proprietary service resulting in a significant reduction of company-wide licensing fees,
- Executed a comprehensive feature comparison analysis of the API Gateway against industry benchmarks, identifying service gaps to modernize legacy router

Summer Analyst (Engineering Division), Goldman Sachs

06/2022 – 08/2022 | Toronto, Canada

- Worked on Data Lake team allowing internal users to produce, consume and transform data for their specified use case
- Created Spark jobs to query partitioned data stored on HDFS through SparkSQL for fast and efficient data retrieval
- Added logical partitioning support during data retrieval for client's use case resulting in faster data merging and ingestion
- Constructed design document outlining end-to-end implementation of new feature ensuring consistency during development
- Deployed stateless service endpoint exposing result of SQL query allowing users to leverage response during data consumption

Software Development Engineer Intern, Amazon Web Services

06/2020 – 08/2020 | Vancouver, Canada

- Enhanced AWS GuardDuty and Macie Findings by decorating with Account Details to minimize additional effort for customers
- Created caching layer with DynamoDB to store Account Details in order to reduce cost of data transactions
- Extended backend by working with internal AWS APIs to retrieve necessary information
- Increased unit test code coverage of microservices to above 80%

Software Engineer Intern, BlueCat Networks

09/2019 – 05/2020 | Toronto, Canada

- Developed test harness to analyze which microservices are the biggest factors on product performance
- Added documentation to several microservices to increase documentation coverage of services to ~70%
- Implemented upgrades on SaaS product to integrate with our DDI solution in order to expand user-base
- Debugged issues with Jenkins pipelines to ensure continuous operation of CI/CD system
- Participated in Agile process to employ good development practices and produce results

Developer Co-op, Royal Bank of Canada

05/2019 – 08/2019 | Toronto, Canada

- Performed common Oracle DBA tasks such as installing Oracle client on Windows/Unix servers, creating Oracle databases, and managing database objects
- Added new and removed redundant database instances from monitoring tool to improve efficiency and accuracy of our monitoring service
- Wrote various scripts to simplify and automate repetitive tasks
- Led team of interns in the development of a SlackBot for a company organized Innovation Challenge, in which my team placed 2nd in the Student Vote Category