

BANIN ABRAR

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SUMMARY

- Languages: Python, C/C++, Go, Java, JavaScript, TypeScript, Perl, SQL, Verilog, Bash
- Tools: AWS, Elasticsearch, dbt, Presto, Fivetran, Docker, k8s, Postgres, MongoDB, Postman

EXPERIENCE

Arctic Wolf

Jan – Apr '22

Software Engineering Intern (Data Infrastructure)

Waterloo, ON

- Built a data monitoring system in Go to preemptively detect under-sharded indices in Elasticsearch which reduced CPU usage by **75%** under burst load scenarios
- Wrote Python scripts to automate tasks related to database configuration and data manipulation

Sheertex

Jan – Apr '21

Software Engineering Intern (Analytics)

Montreal, QC

- Implemented a new data stack using Snowflake and dbt to greatly accelerate analytics workflows
- Defined data transformations to clean, merge and model e-commerce data across multiple sources improving BI query response times by **70%**
- Created data ingestion pipelines by writing data connectors for Fivetran in Python

Loblaw Digital

May – Aug '20

Software Engineering Intern (Billing Optimization)

Toronto, ON

- Built internal tools to assist Site Reliability Engineering teams with billing optimization in GCP
- Saved **\$50,000** annually by writing Terraform and BigQuery SQL scripts as a part of an SRE initiative to migrate logging infrastructure from Splunk to Google's Stackdriver

FLIR (Aeryon Labs)

May – Aug '19

Software Engineering Intern (Data Infrastructure)

Waterloo, ON

- Architected a data warehouse setup using Presto that reduced latency on reads from S3 by **60%**

JANA Solutions

Sept – Dec '18

Software Engineering Intern (Core)

Aurora, ON

OTHER EXPERIENCE

Waterloop Student Design Team

- Migrated a static website onto the MERN stack complete with new features and functionalities

PROJECTS

FastOLAP

[babrar/fastolap](#)

- A highly performant data stack for fast analytic SQL queries on large datasets in Amazon S3

LTor

[babrar/ltor](#)

- Lightweight BitTorrent client that uses WebRTC and UDP trackers for P2P file transfers

EDUCATION

University of Waterloo

Class of 2023 (expected)

Candidate for Honours Bachelor of Applied Science in Computer Engineering

- President's Scholarship of Distinction for having more than 95% admission average