

BANIN ABRAR

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SUMMARY

- Languages: C/C++, Python, Java, ES6, TypeScript, Perl, Golang, SQL, Verilog, Bash
- Tools: GCP, Postgresql, dbt, MongoDB, Node.js, GraphQL, Docker, Postman, Fivetran, Vim

EXPERIENCE

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 completely from Splunk to serverless Stackdriver (GCP).
- Created a cross-platform chatbot using Botkit and Node.js. to deliver cloud data and visualizations.

Teledyne FLIR (Aeryon Labs)

May – Aug '19

Software Engineering Intern (Data Infrastructure)

Waterloo, ON

- Architected a cloud-agnostic data warehouse solution using open source technologies to handle rapidly evolving schemas and to unify data tooling across all engineering teams.
- Achieved **60%** lower latency on read times from data warehouse by creating a Presto-Hive setup.
- Configured single sign-on for web application and internal services using OpenID Connect in Okta.

JANA Solutions

Sept – Dec '18

Software Engineering Intern (Core)

Aurora, ON

- Improved company-wide asset data retrieval time from Postgres by **10x** by refactoring core schemas.

OTHER EXPERIENCE

Waterloop Student Design Team

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

PROJECTS

LTor

git.io/JkkPC

- Web-based BitTorrent client that uses WebRTC and UDP trackers for P2P file transfers.

Other projects/open-source contributions: ubuntu/gnome-shell, geekcane (IoT)

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.