

Banin Abrar

 Canada

EXPERIENCE

Sony PlayStation, San Diego, CA

Data Automation Engineer

Sep 2022 - Dec 2022

- Built a Kubernetes controller to efficiently provision database instances with production data for the PlayStation Plus network, serving **~50 million** users.
- Developed a single-page application in React.js to enable easy database management, improving productivity for **30+** engineers

Sheertex, Montreal, QC

Analytics Engineer

Jan 2021 - Aug 2021

- Led the development of a new ELT process using Snowflake, dbt, and Python that provided significantly more accurate KPIs to stakeholders and saved data analysts **over 10 hours/week** on BI workflows
- Streamlined access to data by writing SQL transformations that cleaned, merged and modeled e-commerce data from multiple sources into a data warehouse
- Created data ingestion pipelines by writing connectors for Fivetran in Python

Arctic Wolf Networks, Waterloo, ON (Remote)

Software Developer in Data

Jan 2022 - April 2022

- Created a data monitoring system in Go that achieved a **50%** reduction in performance alerts on AWS by fixing under-sharded indices in Elasticsearch

FLIR Systems, Waterloo, ON

Big Data Developer

May 2019 - Aug 2019

- Built an ETL pipeline using open source tools like Spark, Hive and Presto to achieve **60%** improvement in throughput when fetching 1GB+ of data from S3

Loblaw Companies Ltd, Toronto, ON (Remote)

Site Reliability Engineer

May 2020 - Aug 2020

- Successfully migrated logging infrastructure from Splunk to GCP using Terraform and BigQuery SQL scripts, achieving over **\$50,000** in annual savings, while incurring minimal performance penalties

JANA Solutions, Aurora, ON

Full Stack Python Developer

Sep 2018 - Dec 2018

- Shipped Flask-based core statistical modeling application to **10+** clients and refactored Postgresql schemas to greatly improve application performance

CONTACT

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 www.babrar.xyz

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github.com/babrar

EDUCATION

University of Waterloo

Waterloo, ON

B.A.Sc. in Computer Engineering 2023

Volunteering experience:

Waterloop Student Design Team, UW Midnight Sun Solar Race Car Team

SKILLS

Languages & Frameworks:

Python, SQL, Go, Rust, C/C++, TypeScript, CUDA, Java, Perl; React.js, Django, GraphQL, Numpy, Pandas

Tools:

Kubernetes, Docker, Terraform, AWS, GCP, gRPC, Thrift, Kafka, Spark, Prestodb, Elasticsearch, dbt, PostgreSQL, MongoDB

PROJECTS

FastOLAP ([link](#))

An open-source fork of AWS Athena for performing analytics on large datasets hosted on S3 buckets

COURSES

Performance (Rust), Distributed Systems, Computer Networks & Security, OS