

ADIL ASIM

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EDUCATION

Bachelor of Computer Science

Graduated June 2020

[University of Waterloo](#)

Coursework: Distributed Systems, Databases, Big Data, Operating Systems, User Interfaces, Computer Security, Computer Vision, Object Oriented Programming, Artificial Intelligence

SKILLS

General: Python • JavaScript • Bash • SQL • Scheme

Databases/Infra: Elasticsearch • Kubernetes • Terraform • Postgres • Snowflake • BigQuery • MongoDB

Web Development: React • FastAPI • Rails • ASP.NET • GraphQL • AWS Lambda

Data Engineering: Spark • Prefect • scikit-learn • scikit-image • Pandas • Airflow

EXPERIENCE

Adeptmind [Senior Software Development Engineer](#)
[Software Development Engineer](#)

January 2023 – Present

June 2020 – Dec 2022

- Built the company's mall catalog data pipeline from the ground up, leading a team to design and deploy a distributed system (**Python, Prefect, Kubernetes, MongoDB, Elasticsearch**) that processed 10M+ products daily
- Pioneered the company's first A/B testing program with **Statsig**, leading ~25 experiments per quarter; integrated results with **Google Analytics, Adobe Analytics** and **Snowflake**, and delivered insights directly to major retail clients to drive data-informed decisions.
- Architected and maintained production-grade **Kubernetes** infrastructure, implementing CI/CD pipelines (**GitHub Actions, Terraform, Helm**) to enable automated, scalable, and highly available deployments.
- Recognized with Best Newcomer, Most Adaptable Engineer and Most Used Internal Tools Developer awards for rapid impact and versatility across projects.

Credit Karma [Software Engineer Intern – Data](#)

Sept 2019 – Dec 2019

- Built a **hybrid recommender system** that leveraged matrix factorization and deep neural networks to improve recommendation click through rates.
- Designed and conducted experiments to determine the most optimal way to handle recommendations for newly introduced (cold-start) items.
- Built and deployed data pipelines on **Google Cloud Dataflow** using Apache **Beam** and **Airflow**.

Hashtag Paid Inc. [Software Developer Intern](#)

Jan 2019 – April 2019

- Designed and built an Amazon **Redshift** data warehouse to consolidate data from multiple sources, resulting in up to 9x faster queries for performance analytics. Used **Airflow** to manage data pipelines.
- Architected feature to support concurrent team users using **Ruby on Rails (w/ RSpec)**, **React** and **PostgreSQL**, leading to significant improvements in client productivity and satisfaction.

Fast Access Blockchain [Blockchain Developer](#)

May 2018 – Aug 2018

- Developed client-side web wallet with an interface for decentralized app (**dApp**) creation, deployment and interaction from the ground-up using **Angular**.

PROJECTS

csskrt-csskrt

Python library that minimizes development time for HTML projects by automatically adding classes for CSS frameworks such as **Bootstrap** and **Bulma**. Listed as a featured project on Bulma's GitHub.

fbIRL

Worked with a team of 3 to build an augmented reality networking application using **React Native, Expo, Flask** and **FB Graph API**. Won first place at Facebook Dev Hackathon 2019.