Arina Momajjed

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Experience

Software Engineer, Data Platforms, theScore – Toronto, Canada   Jun 2023 – Sep 2024

- Built, deployed, and maintained APIs, web apps, and internal tools to support data processing, insights, and operational workflows for internal teams and external stakeholders (Python, FastAPI, PostgreSQL, React.js, TypeScript, Redshift, BigQuery, Datadog, Docker, Kubernetes, ArgoCD)
- Developed a stream transformation monitoring system to track pipeline health across key metrics and trigger real-time alerts for issues, significantly improving observability and incident response
- Designed and implemented scalable APIs for report generation and fulfillment services, with a flexible structure that made it easy to onboard new destinations without major rework—minimizing future development effort
- Created and executed MVP roadmaps to deliver reliable, scalable systems aligned with evolving business and stakeholder needs
- Led a smooth migration of core services from Redshift to BigQuery, improving query performance, cost efficiency, and scalability while reducing operational overhead through simplified infrastructure and managed compute
- Conducted an in-depth Proof of Concept (POC) to evaluate streaming technologies (Spark, Flink), providing actionable insights for real-time data processing and scalability enhancements
- Ensured seamless operations and system uptime by effectively managing on-call shifts, promptly addressing critical issues to maintain service reliability

Software Engineer Intern (Data Platforms), theScore – Toronto, Canada   Sep 2021 - May 2023

- Independently led end-to-end development of a widely used internal web application for data teams, building full-stack features using React.js, TypeScript, Flask, and SQLAlchemy—from frontend UI components to backend APIs and database integration
- Migrated legacy SQL queries to SQLAlchemy ORM models, improving code maintainability and enabling faster iteration for new features
- Automated recurring data ingestion and processing workflows using Apache Airflow, reducing manual effort and supporting timely reporting for analysts
- Contributed to database management, data validation, and task scheduling, helping ensure the reliability and consistency of internal data systems

Teaching Assistant, University of Toronto – Toronto, Canada   Jan 2020 - May 2023

- Led tutorials and graded assignments to support 20+ students, fostering analytical thinking and problem solving skills in mathematics and computer science

Web Developer Intern, Public Services and Procurement Canada – Toronto, Canada   May - Dec 2019

- Updated web content per client requests, ensuring accessibility standards (HTML, CSS, JavaScript, ColdFusion)
- Proposed and developed a Python script to automate annual web maintenance by extracting and updating data from CSV/PDF files, greatly reducing manual workload
- Coordinated with QA to finalize pages and provided technical support for service requests

Projects

LyriChord.js · VanillaJS library for displaying lyrics with guitar chords in a simple, readable format on the DOM

BikEtail · Online marketplace for urban mobility devices that facilitates buying, selling, and renting, built with HTML/CSS, TypeScript, React.js, Node, and MongoDB

Note Web Application · Web app with user authentication, note editing, tagging, and sharing features using HTML/CSS, JavaScript, Python, Flask and SQLAlchemy

Skills

Languages: Python · JavaScript · Typescript · SQL · HTML/CSS · C/C++ · Bash · MATLAB · Java · Scheme · Haskell

Frameworks/Technologies: FastAPI · Django · Flask · SQLAlchemy · pandas · NumPy · React.js · Node · Express.js · PostgreSQL · MySQL · MongoDB · Docker · Kubernetes · Git · AWS Redshift · GCP BigQuery · Apache Airflow · Apache Spark · Apache Kafka · Datadog

Education

HBSc, University of Toronto · Computer Science Specialist in Comprehensive Stream (Co-op)

- **Awards:** University of Toronto Scholar · University of Toronto Grants