

SHAGUN SHAGUN



ishika18.github.io



Ishika18



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SKILLS

- Python
- NodeJS
- Redis
- Flask
- Snowflake
- Selenium
- AWS
- S3
- Git
- Django
- Data Pipelines
- PostgreSQL
- JavaScript
- RESTful APIs
- System Design

EXPERIENCE

SOFTWARE ENGINEER II, DATA PLATFORM

Vancouver, BC

RIVIAN

12/2023 - Present

- Implemented Databricks notebook jobs to process up to 10 TB of data daily from S3 using Databricks autoloader.
- Conducted research and developed proposals for optimal data processing solutions
- Enhanced data systems with UC volumes, retries, logging, and visualization, reducing data processing failures by 40%.
- Designed multi-region Redis architecture and implemented role-based access controls, improving data security and redundancy.
- Fixed critical Terraform deployment issues and production service bugs, ensuring efficient handling of petabytes of data.

BACKEND DEVELOPER

Vancouver, BC

DATA.AI

06/2022 - 12/2023

- Designed and built AWS pipeline using Python language to integrate data for millions of items
- Achieved a 50% cost reduction on AWS, reducing the number of Lambda calls made while overcoming challenges associated with state machines, Lambdas, and ensuring efficient data collection within time limits.
- Optimized S3 storage strategies by minimizing the number of write/list calls, leading to a 30% decrease in S3 storage costs.
- Worked with Snowflake, creating a Domain-Driven Design (DDD) for data structure and conducted query efficiency testing, resulting in a 10% reduction in query execution time.
- Improved and developed service-based backends and rest APIs for Snowflake queries.

QUALITY ASSURANCE INTERN

Vancouver, BC

DATA.AI

12/2020 - 09/2021

- Collaborated with Product Manager to improve quality of technical requirements and made them into clear test cases
- Created automation tests using Python, Behave, YAML, Cypress and used tools like POSTMAN, Jenkins, Selenium-Web Driver, ensuring 30% reduction in manual testing efforts and improved overall test coverage.
- Optimized CI/CD systems and web based development tools (Gitlab/Jira) to improve test efficiency.

PRACTICUM

FULL STACK DEVELOPER

Vancouver, BC

CYMAX

04/2022 - 05/2022

- Collaborated to develop an internal system using Python (Flask backend), SQL Server, and HTML/CSS/JavaScript to streamline daily information retrieval from multiple tabs, reducing information retrieval time by 50%.
- Implemented authentication using Auth0 to restrict access to authenticated internal users only.
- Created comprehensive documentation for installation, setup, and provided live demos to stakeholders

BACKEND DEVELOPER

Vancouver, BC

IOTO INTERNATIONAL INC.

09/2021 - 12/2021

- Designed and developed backend infrastructure and OAuth service for a mobile app using Flutter and AWS Amplify.
- Integrated RESTful APIs with the frontend components, ensuring seamless data flow.
- Created and designed wireframes and flutter UI, migrating from web app.
- Collaborated on requirements gathering, integration testing, and authentication.

EDUCATION

COMPUTER SYSTEMS TECHNOLOGY

Vancouver, BC

BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

01/2020 - 05/2022