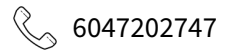
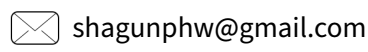
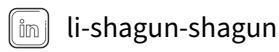
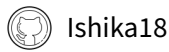
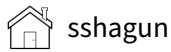


SHAGUN SHAGUN



SKILLS

- Python
- AWS
- Redis
- System Design
- Flask
- MySQL
- NodeJS
- Postman
- Java
- PostgreSQL
- Git
- OAuth
- Django
- Data Pipelines
- Agile Development
- Project Planning
- JavaScript
- RESTful APIs
- Docker
- Jira

EXPERIENCE

BACKEND DEVELOPER

Vancouver, BC

DATA.AI

06/2022 - Present

- Designed, built, and maintained AWS pipeline to seamlessly integrate data for millions of items, successfully migrating it from a monolithic architecture
- 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 25% reduction in query execution time.

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.

DATABASE DEVELOPER CONTRACTOR

Vancouver, BC

ART ASSETS INC.

08/2020 - 08/2021

- Participated in process solution design and contributed to business requirements gathering.
- Wrote simple and complex SQL procedures, functions, scripts, and queries.
- Designed a reliable and efficient database system, including schema design, indexing, and query optimization.
- Provided regular maintenance and created comprehensive documentation, reducing the resolution time for database-related issues by 30%.

PRACTICUM

FULL STACK DEVELOPER

Vancouver, BC

CYMAX

04/2022 - 05/2022

- Developed 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 for a mobile app using Flutter and AWS Amplify.
- Implemented RESTful APIs and integrated them with the frontend components, ensuring seamless data flow.
- Created and documented wireframes, database schema, and API endpoints using NoSQL DynamoDB and API Gateway.
- Collaborated on requirements gathering, integration testing, and authentication, resulting in 20% fewer bugs.

EDUCATION

COMPUTER SYSTEMS TECHNOLOGY

Vancouver, BC

BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

01/2020 - 05/2022