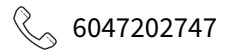
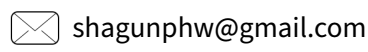
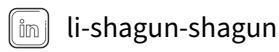
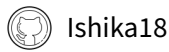
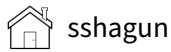


SHAGUN SHAGUN



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 automated data systems, leveraging Python for high-scale distributed systems on the AWS.
- Achieved a 50% cost reduction on AWS by reverse engineering an API, 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 and enhanced user experience..

EDUCATION

COMPUTER SYSTEMS TECHNOLOGY

Vancouver, BC

BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

01/2020 - 05/2022