Shagun Shagun

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Skills

- Python
- Flask
- Java
- Django
- JavaScript
- AWS
- MySQL
- PostgreSQL
- Data Pipelines
- RESTful APIs
- Redis
- NodeJS
- Git
- Agile Development
- Docker

Experience

BACKEND DEVELOPER **Vancouver, BC**

DATA.AI *06/2022 - Present*

- Leveraged Python to build and contribute to high-scale distributed systems on the AWS back-end.
- Installed, and provisioned data pipeline orchestration software as a service, enabling seamless data flow and scalability for the entire organization.
- Overcame challenges associated with AWS, including working with state machines and Lambdas, ensuring efficient data collection within time limits and avoiding API request duplication
- Worked with Snowflake, creating a Domain-Driven Design (DDD) for data structure and conducting query efficiency testing, highlighting experience with database design and optimization

QUALITY ASSURANCE INTERN **Vancouver, BC**

DATA.AI *01/2021 - 08/2021*

- Collaborated with Product Manager to imporve 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
- OptimizedCI/CD systems and web based development tools (Gitlab/Jira) to improve test efficiency

DATABASE DEVELOPER **Vancouver, BC**

ART ASSETS INC. *08/2020 - 08/2021*

- Participated in process solution design and contributed to business requirements gathering.
- Designed reliable and efficient database, as well as provided maintenance and created documentation
- Wrote simple and complex SQL procedures, functions, scripts, and queries

Practicum

FULL STACK DEVELOPER **Vancouver, BC**

CYMAX *04/2022 - 05/2022*

- Developed an internal system (Chrome extension) using Python (Flask backend), SQL Server (database integration), and HTML/CSS/JavaScript (frontend client) to streamline daily information retrieval from multiple tabs.
- Implemented authentication using Auth0 to restrict access to authenticated internal users only.
- Created comprehensive documentation for installation, setup, and provided live demos to stakeholders.
- Collaborated with the client to incorporate feedback and updates, ensuring the application met their requirements.

BACKEND DEVELOPER **Vancouver, BC**

IOTO INTERNATIONAL INC. *09/2022 - 12/2022*

- 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 with the team to gather requirements, conducted integration testing, and ensured proper authentication and data manipulation.

Education

COMPUTER SYSTEMS TECHNOLOGY **Vancouver, BC**

BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY *01/2020 - 05/2022*