



# JARVIS NGUYEN

## Software Developer

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### SKILLS

SQL, MySQL, MongoDB	.NET, C#
Python, PHP	DuckCreek On Demand Tech
HTML, CSS, JavaScript	ReactJS, NodeJS, ExpressJS
Tailwind	Selenium

### WORK HISTORY

#### DATA DEVELOPER

06/2024 to CURRENT

##### New Flyer | Winnipeg

- Designed, built and maintained scalable ETL/ELT pipelines to automate data ingestion, transformation, and integration across multiple systems and environments.
- Built data pipeline to capture hourly orders updates, processed using PySpark Notebooks and stored in Lakehouse, consumed by predictive analytic models.
- Refactored legacy ETL jobs and Fabrics pipelines, improving execution speed and lowering compute costs by 45%.
- Created RPA to reduce time spend on manual database input by 70%.
- Automated web testing using Selenium to save repetitive workload and increase productivity by 50%.

#### SOFTWARE DEVELOPER 2

04/2022 to 06/2024

##### Manitoba Public Insurance | Winnipeg, MB

- Implemented features and enhancements using .NET, JavaScript and XML to strengthen DCOD product integrity and accessibility and increased customers engagement by 18%.
- Diagnosed Duckcreek OnDemand issues, implemented solutions and provided Hexaware automated testings which reduce manual testing time by 30%.
- Amplified SQL queries efficiency by creating custom response that fit each single tasks, eliminated manual effort.
- Designed, documented solution and insight comments that improving productivity by 20% for related work items.

**FULL STACK DEVELOPER**

01/2021 to 04/2022

**Norwind Interactive Ltd. | Winnipeg, MB**

- Satisfied the client's needs by successfully designing and implementing a cross-platform mobile payroll application using C# and Xamarin with MVVM design pattern, which resulted in a new contract being signed.
- Developed and tested SQL queries, provide assist and related documentation.
- Successfully implemented core features of Payroll app such as login, invoices, timesheet and many more.
- Designed and implemented client's truck service static website Bootstrap and JS.
- Implemented and maintained server's PHP scripts for the project.

**PROJECTS****Cloud-Native Social Media Platform - .Net 8, C#, REST, gRPC, Docker, Kubernetes, PostgreSQL, Azure API Management**

- Built a fully cloud-native, microservice-based backend inspired by 9GAG, designed for high availability, scalability, and real-time content interaction.
- Designed independent microservices: User Service, Post Service, Media Service, Voting Service, Feed Aggregator, Notification/Activity Service, each with its own database.
- Exposed REST APIs for clients (web/mobile) and used gRPC for high-performance internal communication between services such as Posts, Feeds, Users, and Media.
- Deployed all services in Docker containers and orchestrated using Azure Kubernetes Service (AKS) with autoscaling based on CPU/memory/load.

**Pharmacy Prescription Pickup App - ReactJS, Material UI, Tailwind CSS, NodeJS, ExpressJS, MongoDB, PassportJS**

- Developing a full stack web app that allows pharmacy to save prescription's order and email/SMS patients when their order is ready.
- Successfully designed and improved responsiveness of the project's frontend.
- Built a comprehensive REST APIs that provides full service of backend and database access to our frontend.

**Tubtrunk - Focus Android App - Dart, Flutter, PHP, Git, MySQL**

- Created an android focus application to help people with procrastination.
- Implemented and updated server's scripts that call and process data from MySQL dB.
- Renewed and improved reward system with music store which can be purchased using in app coins.

**EDUCATION****Bachelor of Science | Computer Science**

06/2022

**University of Manitoba, Winnipeg, Manitoba**