

LOC PHAM

Software/Full Stack .NET Developer

✉ hoangloc1511@gmail.com

☎ +1 289-969-1827

👤 <https://www.lphamportfolio.com>

🐙 <https://github.com/NoFun-z>

EDUCATION

Niagara College Canada, Welland, Ontario (2021 - 2024)

- Advanced Diploma Degree of Computer programming and analysis (Co-op)
- Final Cumulative Grade: 82% (With Niagara Scholar)

SKILLS / EXPERIENCES

❖ With over 4+ years of education and hands-on projects, I offer a solid foundation in data, software and web development, design pattern using various programming languages and a proven ability to quickly grasp complex technical concepts

- **.NET Development, API, OOP, Microsoft Stack:**

C#, UWP, XML, ADO.NET, ASP.NET Core MVC, Blazor WASM/Server, LINQ, MVVM, Entity Framework, Restful API, JSON, XUnit Tests, Microservice, PaaS/SaaS, Azure Portal

- Crafted full-stack PaaS/SOA e-commerce websites for business solutions using OOP concepts. Managed data in .NET projects with DbContext, set up middleware, CRUD operations using Entity Framework and LINQ
- Built distinctive APIs within a microservices architecture, secured endpoints with JWT Tokens, and performed automated/manual API testing via Postman, Swagger UI, and XUnit for reliable authentication
- Leveraged Azure Portal services, such as Queue, Blob Storage, Service Bus, Azure Trigger Functions for data submission messages and maintenance

- **Front-End Development, Frameworks:**

HTML 5, CSS 3/Tailwind CSS, Bootstrap, JavaScript, jQuery UI, ReactJS, AngularJS, TypeScript, Material UI, Redux, NgRx, NPM Packages, WordPress, SEO, AODA/WCAG approach, Responsiveness

- Utilized TypeScript alongside React/Angular for type-safe coding and interfaced with .NET APIs using Ajax/Axios or HTTP Clients. Crafted responsive and accessible SPAs adhering to SEO, AODA/WCAG standards, and enhanced UI/UX with jQuery, Bootstrap, Material UI, or Tailwind CSS. Managed states with Redux/NgRx
- Built responsive and interactive websites with WordPress. Applied plugins for SEO performance

- **Scalable Database Development, Data Analytics, Relational/NoSQL Databases:**

T-SQL, MS SQL Server, SQL Server Integration Services, MongoDB, Power BI, Azure SQL, Python (Pandas, NumPy, Matplotlib), PySpark

- Employed SSIS for ETL processes in data warehousing using star schema design. Managed table creations, PK, FK, relationships, stored procedures, and triggers in MS SQL Server. Set up data models using local SQL Server for development and Azure SQL for production, optimizing scalability and performance
- Created Power BI sales analytics with DAX and interactive visuals. Utilized Pandas, NumPy/PySpark for data transformation and presentation in organized data frames. Employed PySpark on Azure Synapse Analytics

- **Cloud Technologies:**

Microsoft Azure, AWS, Azure DevOps, CI/CD Pipelines

- Hosted web services with Azure and AWS S3/CloudFront, manage scalable databases via Azure SQL and AWS RDS, Generating accounts, resource groups with precise permission controls
- Deployed CI/CD release pipelines on Azure DevOps with GitHub for continuous integration

- **Other Programming skills, Development Environment, Version Control:**

Windows/Linux Operating Systems, Office 365, Command Line & Bash/Shell Scripting, VS Code, Visual Studio, Jupiter Notebook, Git, Agile Methodologies, Iterative Software Development Life Cycle

- Provide tier 2 technical support. Preparing project presentations and improving code quality from feedback during each sprint. Facilitating team collaboration through pull requests with GitHub
- Applied Agile methodology to organize sprint tasks, daily scrum on Azure DevOps board or Trello

- **Personal skills:**

- Strong interpersonal, problem-solving/ analytical skills and attention to detail. Strong written and verbal Communication Skills in English. Ability to adapt any technology within a short time

WORK EXPERIENCE

Freelance Full Stack Software Developer at Upwork (Jul 2023 - Current):

- Developed end-to-end websites, data solutions utilizing React, Angular, .NET RESTful APIs, ASP.NET Core MVC. Built relational data models from scratch with MS SQL Server or Azure SQL for individual, small teams for educational or business purposes
- Attended weekly sprint with clients to present the development process, receive feedback, and discuss about new functionalities

Niagara College Computer Program Peer Tutor (Aug - Dec 2023):

- Guided 1st and 2nd year computer program students in developing and debugging RESTful APIs, SQL Server, JavaScript, and ASP.NET Core MVC, ADO.NET projects and tests
- Explained programming concepts to students ranging from Data Analysis, Storage Systems, Design Patterns, Front End/Back End Development and provided solutions to aid students in their improvement

Game Tech at Cineplex (Internship) (May - Sep 2023):

- Developed and deployed an end-to-end ASP.NET MVC application designed for membership, meeting minutes documents integrated auto-mailing system for Niagara College Committee Advisors
- Responsible for the data models of the application, most of the authentication, meetings functionalities. Led the project presentations and source control, including GitHub pull requests and branches

POPULAR PROJECTS

PAC Management (Project Leader) ([View](#)) | SQL Server, C#, ASP.NET Core MVC, Bootstrap, Razor, Azure, jQuery

Admin Dashboard ([View](#)) | ASP.NET MVC, Bootstrap, Microsoft Azure, Azure Blob Storage, Service Bus, Syncfusion

StudData-SSIS ([View](#)) | C#, MS SQL Server, SQL Server Integration Services

SnowFake ([View](#)) | RESTful API, React.js, React material UI, React redux, CSS, Docker, Fly IO, Stripe

MangoMicro ([View](#)) | RESTful API, ASP.NET MVC, Bootstrap, Syncfusion, Stripe, Azure SQL, SQL Server, Azure Service Bus

Contoso Retail ([View](#)) | Power Bi, SQL Server

EcomBlaze ([View](#)) | Blazor, C#, RESTful API, Stripe, Syncfusion

AWARDS

Niagara Scholar in Computer Programming and Analysis Program

Niagara College Canada (Fall 2021 - Spring 2024)

CERTIFICATIONS

Certified in Advanced SQL (Dec 2023)

By Hacker Rank - [Certification Details](#)

Certified in AWS Cloud Practitioner (January 2024)

By Amazon Web Services Training and Certification - [Certification Details](#)

REFERENCES

Gonul Turkdogan (Peer Tutor Coordinator)

Niagara College Canada | gturkdogan@niagaracollege.ca

David Stovell (Senior Professor in Computer Programming and Analysis/ Program Coordinator)

Niagara College Canada | dstovell@niagaracollege.ca

Mark Hardwick (Founder & CEO of Exelby Inc. and Professor in Computer Programming)

Niagara College Canada | mhardwick@niagaracollege.ca