



# LOC PHAM

Software/Full Stack .NET Developer

## 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 experience in data, software, and web development, I possess a solid foundation in design patterns and integration of cloud technologies such as AWS and Azure and a proven ability to quickly grasp complex technical concepts

- **.NET/Software Development, API, OOP, SOLID, IOC, 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, Docker, Mocking Framework (NSubstitute)

- Developed full-stack e-commerce PaaS/SOA solutions applying OOP/SOLID principles, managed data with .NET DbContext, set up middleware and implemented CRUD via Entity Framework and LINQ
- Developed unique microservices APIs, securing endpoints with JWT Tokens, and conducted automated/manual API testing using Postman, Swagger UI, and XUnit, with NSubstitute for authentication
- Leveraged Utilized Azure services (Queue, Blob Storage, Service Bus, Trigger Functions) for data messaging and maintenance. Improved .NET project deployment and scalability with Docker containerization

- **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, Terraform

- Managed web services and scalable databases on Azure/AWS, and automated infrastructure with Terraform for accounts and resource groups provisioning with precise permissions
- Deployed CI/CD release pipelines on Azure DevOps with GitHub for continuous integration

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

Windows/Linux Operating Systems, Office 365, Bash/Shell Scripting, VS Code, Visual Studio, Jupiter Notebook, Git, Agile Methodologies, Kanban board (Azure DevOps board, Trello, Jira)

- 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, Trello, or Jira

- **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 on Azure 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

Niagara Committee (Member/Action/Meeting minutes/Poll) PAC Management (Project Leader) ([View](#)) | SQL Server, C#, ASP.NET Core MVC, Bootstrap, Razor, Azure, jQuery

MVC 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

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

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

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

For many more amazing projects, visit my portfolio: <https://www.lphamportfolio.com>

## 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](mailto:gturkdogan@niagaracollege.ca)

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

Niagara College Canada | [dstovell@niagaracollege.ca](mailto:dstovell@niagaracollege.ca)

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

