

Lou Chang

SENIOR FULL-STACK DEVELOPER | .NET / CLOUD

Toronto, ON, Canada

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Highlights

- Optimised SQL queries and .NET services, slashing report times from 3 min to 4 sec by redesigning business intelligence logic using SQL Server stored procedures and EF Core for healthcare and finance platforms.
- Engineered and launched 7+ scalable, microservices-oriented APIs using Azure App Service and Azure DevOps CI/CD, cutting deployment time by 30 minutes per release, enhancing release reliability by 40%.
- Maintained and enhanced full-stack .NET applications (MVC, WebForms, ASP.NET Core), collaborating with product stakeholders to deliver 10+ features across biotech and B2B platforms.

Technologies

Programming Languages	C#, VB Script, .NET, Go, TypeScript, JavaScript, Python
Backend & Frameworks	ASP.NET, ASP.NET Core, ASP.NET Web API, ASP.NET WebForm, ASP.NET MVC, Entity Framework Core
Frontend	Angular, AngularJS, HTML, CSS
Database	PostgreSQL, SQL Server, MongoDB, MySQL
Architecture & Cloud	RESTful APIs, Microservices Architecture, Azure App Service, Azure DevOps, AWS (EC2, S3, RDS)
DevOps & Tooling	CI/CD Pipelines, Docker, Git, GitLab, Git Flow
Methodologies	Scrum, JIRA, Unit Testing

Experiences

Duotify Inc.

Taipei, Taiwan

WEB DEVELOPMENT ENGINEER

Jun. 2020 - Jan. 2024

- Reduced report and query execution time from 3 minutes to 4 seconds by refactoring AutoMapper-based data transformation logic into optimised SQL Server stored procedures (SQL Server, EF Core).
- Developed 3 backend API services for an industrial platform, responsible for database setup and implementing Azure DevOps CI/CD pipelines, reducing deployment setup time by 30 minutes per release (ASP.NET Core 5.0, SQL Server, Docker).
- Modified 2 existing API services for a cloud-based knowledge platform, established an AWS test environment (EC2, S3, RDS), and completed project handover 5 days ahead of schedule (ASP.NET Core 5.0, PostgreSQL, Azure DevOps).
- Maintained 4 production .NET web platforms (MVC 5, WebForms, ASP.NET Core) across healthcare, finance, and biotech domains, delivering 10+ required features while ensuring system stability through regular updates on Azure App Service.

Unitech Computer Co., Ltd.

Taipei, Taiwan

ERP APPLICATION DEVELOPMENT ENGINEER

Mar. 2019 - Jun. 2020

- Maintained 2 company websites, including a B2B platform built with ASP.NET MVC 3 and AngularJS and an internal accounting system using VBScript, applying 20+ monthly updates over 16 months to ensure stability.
- Assisted in developing 1 new internal website by implementing 2 core modules with an Angular 8 frontend and a lightweight ASP.NET MVC 5 API, reducing initial setup time by 15 hours.
- Resolved 8+ critical bugs annually across B2B and internal systems, improving overall reliability using VBScript and SQL Server.

EARLIER EXPERIENCE

Taipei, Taiwan

INTERNSHIP & PROGRAMMER

May. 2019 - Feb. 2019

- Supported a 3-month programming role at TechLink Corporation by resolving 3 minor JavaScript issues to maintain the National Health Insurance (NHI) survey system.
- Led a 5-month internship project at SYSTEX UCOM Information Technology Co., Ltd. as team leader, completing 1 C#-based module and strengthening ASP.NET MVC 5 skills.
- Contributed to a 5-month internship at Xinmao Energy by designing 2 frontend elements and learning fundamentals of HTML, JavaScript, and C# for internal data systems.

Certification

I156-7085 Azure Fundamentals (AZ 900), Microsoft

Feb 2022

Education

Seneca Polytechnic

Toronto, Canada

DIPLOMA, COMPUTER PROGRAMMING

May. 2024 - Aug. 2025

Hwa Hsia University of Technology

New Taipei City, Taiwan

BACHELOR'S, DEPARTMENT OF INFORMATION MANAGEMENT

Jun. 2018 - Aug. 2020