# Connor Lynch

## Backend Software Developer

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## Development Experience

### Software Engineer | **Elastic Path** | Jan 2022 – May 2023

- Worked across teams in an agile environment to deliver changes to service functionality and coordinate releases
- Extend and maintain enterprise grade commerce platform with ever adapting requirements from clients
- Write variety of tests and expand production pipeline to meet acceptance criteria and perform code review
- Quickly apply newly learned technologies to existing system and grow my knowledge of the company's platform
- Aid in the development of composable commerce, allowing clients to modularly add functionality to existing infrastructure

### Full Stack Web Developer | **Sienci Labs** | May 2020 - July 2020

- Create research and proposal documents for company owners describing system architecture in common language
- Develop and deploy a website for user generated content and file hosting for CNC machine related projects
- Follow self-imposed coding practices while maintaining documentation and source control
- Co-ordinated closely with client to demonstrate progress, quantify website goals and manage scope

### VR/AR Lab Researcher | **Conestoga College** | Jan 2020 – April 2020

- Researched and build virtual reality prototypes for industry partner demonstrations
- Collaborated in small teams to develop interactive hand tracking experiences for Oculus hardware
- Manage scope changes and feature releases to achieve goals by strict deadlines, as quickly as 2 weeks
- Partnered with University of Waterloo's kinesiology students to develop a solution for therapeutic research

## Education

**Conestoga College Advanced Diploma** | 2017 -2020
Software Engineering Technology

**Uxbridge Secondary School** | 2013 - 2017
Graduated with University level course

## Skills

**Programming Languages**
C, C#, Python3, JavaScript, Typescript, Golang
**Databases**
SQL, MySQL, MongoDB, PostgresDB

**Platforms and Frameworks**
Windows, Linux, AWS, REST API, Microservices, CI/CD
**Tools**
Git, Docker, Jira, Datadog, Kubernetes, RabbitMQ

## Software Projects

### Apartment Buzzer Forwarder

Deployed middle-ware solution to apartment's gate buzzer to allow multiple calls to tenants
**Technologies:** Python3, AWS lambda, Twilio, Flask
- Cloud hosted solution that dials multiple users, connects the first responder to talk and authorize visitor
- Leverages a programmable phone number to bridge between telecommunications and server
- Extends basic functionality, added a mute feature so users can request to not be disturbed
- Emphasized security to reduce false service triggers and protect the user's private data
- Designed with cost in mind, delivered software similar to competing services at roughly half the price

### Farm Agritech Service Tool

Prototyped a system that would convert farm equipment data from a source then transform and graph it to a understandable UI
**Technologies:** SQL Server, C, Linux, AWS services, SQL database
- Designed and developed a SQL based simulation solution to provide a visual representation of farm equipment diagnostics
- Integrated J1939 protocol, Farming Simulator 2019, and Linux system to generate telemetry data
- Orchestrated the hosting of database and Linux virtual machine to respected AWS services
- Overcome sudden remote work requirements through team communication and host system components online