GARRET LARSON

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EDUCATION

Full Stack Software Engineering Boot Camp   **Dec. 2020**
Emerging Digital Academy, Fargo, ND

Bachelor of Science in Chemistry   **May 2016**
University of North Dakota, Grand Forks, ND
- *Summa Cum Laude*
- **Phi Beta Kappa Honor Society**

PROGRAMMING LANGUAGES AND TECHNOLOGIES

- Proficient: C#/VB.NET, Visual Studio Code, Visual Studio, Microsoft SQL Server, Git, GitHub
- Prior Experience: Docker, Kubernetes, HTML/CSS, PostgreSQL, MySQL, Javascript, React.js, Node.js, Electron.js, JQuery, Ajax, PHP, Laravel, C/C++, Express, Java, Python, Pandas, NumPy

WORK EXPERIENCE

Backend Software Engineer   **Jan. 2023 – Present**
Fast Enterprises LLC, Denver, CO
- Research, design, and integrate third-party APIs into application, creating new data sources, allowing clients further insights into taxpayer businesses
- Use container and container orchestration technologies to implement open-source geocoder technology into business process
- Optimize for time of existing API code by implementing asynchronous, multi-threaded batch processing
- Create automated tests for processes to increase confidence in refactoring and deploying production code
- Leverage object-oriented design patterns to create reusable, extensible, and maintainable code
- Write SQL scripts for comparative analysis between new and old business processes
- Write ERD for documentation of newly built processes, expediting training/onboarding
- Write Python scripts to automate repetitive, manual SQL tasks, specifically using Pandas technology

Software Developer   **Apr. 2022 – Dec. 2022**
Scheels, Fargo, ND
- Build SQL query scheduling tool for analytics team in e-commerce department that automates the process of executing specific SQL queries and writing results to a designated Google Sheets spreadsheet, resulting in saved time and increased productivity
- Build desktop application using Electron.js technology that efficiently connects customer service representatives who have questions about certain retail products to appropriate merchandising experts
- Write Window batch script to automate distribution of updated versions of desktop app to clients
- Work with internal and third-party developer teams to build feature that allows for the lawful selling of guns/ammunition on e-commerce website
- Design and implement e-commerce order distribution RESTful APIs for specialty orders

Software Engineer   **Mar. 2021 – Aug. 2021**
Codelation, Fargo, ND
- Participate in discovery and estimation meetings during initial software development phase with clients
- Use Agile Scrum methodology by participating in daily standups and communicate to clients frequently during sprints
- Build client-requested features for different applications using business requirements gathered by analyst

Software Implementation Consultant   **Jan. 2019 – Jun. 2020**
Fast Enterprises LLC, MARVIN Project, Jackson, MS
- Take ownership in technology subsystem by being responsible for analyzing the Mississippi Department of Revenue's business processes for the ordering, receiving, and accounting of vehicle plate inventory and its implementation in code
- Lead business and unit testing during application upgrades by answering client questions, assigning and editing test scenarios, troubleshooting client testing issues, and preparing weekly summary statistics to drive client decisions