

GARRET LARSON

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EDUCATION

Master of Science in Computer Science - Cyber Operations Specialization Dec. 2026
Dakota State University, Madison, SD

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

WORK EXPERIENCE

Backend Engineer Jan. 2023 – Present
Fast Enterprises LLC, Denver, CO

- Research, design, and implement search engine results page (SERP) APIs, creating new data sources for clients and allowing clients deeper insights about businesses
- Optimize speed of existing API processes by implementing asynchronous/multi-threaded batch processing
- Create automated tests for API processes to increase confidence in refactoring and deploying production code
- Leverage object-oriented design patterns in API processes to create reusable, extensible, and maintainable code
- Create SQL scripts to compare results between old and new API processes
- Analyze current data sources in application finding bugs and architecting solutions for them

Software Developer, E-Commerce 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 newer versions of Electron.js 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 I Mar. 2021 – Aug. 2021
Codelation, Fargo, ND

- Participate in discovery and estimation meetings during initial software development phase with clients
- Using Agile Scrum methodology, participate in daily standups and communicate to clients frequently during development
- Show versatility in working with multiple applications utilizing different technology stacks such as C#.NET and Ruby on Rails as well as deploying to different hosting platforms including Heroku, Rackspace, and the Apple App Store
- Build wedding checklist feature for client using React.js and Ruby on Rails technologies, including automated email notifications and user permissions to access it

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
- Monitor real-time production-level application for bugs in batch processing, raising tickets if needed