

Trevor L Arnold

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Executive Summary

I have a strong passion for getting work done and taking ownership in my work. I thoroughly enjoy the act of crossing something off the list and looking back with pride and saying, "we built that!"

I have the perfect blend of Midwest-country work ethic with the technical and business acumen to effectively direct that work ethic.

My technological knowledge mixed with my communication skills can be beneficial to any type of technical team. This led to my achievement of being the youngest manager at CentralSquare.

My love of learning will ensure I am always growing with the needs of any industry. This has led to many books read, websites developed, courses taken, and tools built. This allowed me to effectively transition into the software engineering space.

Relevant Work Experience

Frontier Technology Inc.

Associate Software Engineer – Remote: August 2022

- € Develop features on both the frontend, utilizing typescript and the Angular framework, and backend, utilizing C# and the ASP.NET framework, of NavSea7300, Planning Pillar, and Triskele applications. Ensure applications are secure by resolving security vulnerabilities, discovered via Fortify and Tenable scans, within frontend, backend, and deployment code.
- € Building script to extract web application network traffic data utilizing python and Selenium.
- € Build out Docker images and Helm charts in order to deploy multiple applications to internal Kubernetes clusters.

CentralSquare Technologies

Software Engineering Manager – Sioux Falls / Remote: June 2021 – July 2022

- € Lead implementation into cloud enablement by working with internal cloud teams, building out docker images, and writing Kubernetes manifests and helm charts.
- € Lead team of software engineers on innovative CAD-to-CAD Hub product. CAD-to-CAD Hub product is built to help dispatch centers and law enforcement agencies connect their disparate Computer Aided Dispatch (CAD) systems to better serve the public. By sharing call data, these agencies can response more quickly to emergencies and potentially save lives.
- € Develop new features for CAD-to-CAD Hub web portal using .NET and typescript/angular framework.
- € Implement GitFlow branching methodology to streamline code merges and migrate to a standard/regular release schedule.
- € Double development team size over the course of a year. Created onboarding material and workflow for significant team growth.
- € Manage ticket and feature priorities by working with product management, architect, product owner, project managers, support techs, and executives to deliver quality products. Utilize scrum and Kanban tools in Azure DevOps for work item management and prioritization.

Data Conversion Manager – Sioux Falls / Remote: Nov 2020 – June 2021

- € Lead data conversion team through transition to 100% remote work during the COVID pandemic of 2020 with minimal impact to productivity, employee morale, and deliverable timelines.

Associate Data Conversion Manager – Sioux Falls: May 2019 – Oct 2020

- Leading a team of over 10 data conversion engineers and data conversion coordinators to serve law enforcement agencies around the country in their transition to CentralSquare's public safety products.
- Developing new and improving existing processes to convert data quickly and accurately from legacy public safety software to CentralSquare public safety product lines.
- Creating internal tools, using python and SQL, for reporting and automating tasks for the data conversion team.
- Communicating with internal project managers, directors, and agencies to find project priorities and scheduling.

Associate Data Conversion Engineer – Sioux Falls: Jan 2018 – April 2019

- Build out conversion of data from legacy law enforcement software systems to CentralSquare products. Utilize a software called Pentaho Spoon to execute SQL statements to transform data.
- Develop python scripts to work with files, directories, law enforcement code, and databases to streamline conversions. These tools have decreased project timelines and removed errors as much as possible.
- Work closely with law enforcement agency clients to understand legacy software and make sure data is converted as closely as possible to the needs of the agency.
- Develop and improve data conversion process for our Northeast IMC product.

Project / Self-Employed, Software Engineer – Lester, IA: July 2020 – July 2021

- Developed web applications (appliance sale tracker, appliance notification manager, and appliance quoting tool) using Django python web framework for family hardware store.
- Decide requirements by communicating with the general manager on what the purpose of the applications would be.
- Develop minimum viable product and iterate over additions to the applications by having weekly conversations with the general manager and understanding what the next steps would be.

Omnitech, Inc., Sales Account Executive – Sioux Falls: Jan 2015 – Dec 2017

- As a member of the sales executive team, relationship management/building is my primary role at Omnitech. Developing new relationships with current Omnitech clients and prospective clients, as well as maintaining relationships with my own clients.
- Working closely with engineering staff to develop realistic timelines, evaluate needs and opportunities, communicating expectations with clients, and managing deliverables.
- Lead marketing/communication efforts (including community involvement, branding, internal communication, social media management, blog development, event planning, and website updates) to increase Omnitech visibility, as well as solidify expertise in software engineering.
 - Developed yearly strategy, goals, and objectives with communication team.

Technical & Interpersonal Skills

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- * Workplace technical: C#, ASP.NET, TypeScript, Angular, React, Python, SQL.
 - * Personal technical: Django, react, python, JavaScript. Personal development examples can be found in my GitHub repo.
 - * Interpersonal: Team leadership, change management, honest communication, transparent management, expectations and ownership focus.

Education & Advance Training

Augustana University, Sioux Falls, SD GPA: 3.55 | May 2014

Bachelor of Arts in Business Administration & Computer Information Systems

Relevant Coursework: Web Programming | Web Development & Design | Computer Science 1, 2, 3 | Marketing Promotions | Principles of Marketing, Management & Finance | Project Management | Business Intelligence | Accounting 1 & 2 | Management Information Systems 1 & 2 | Sport Management | Statistics | Business Ethics | Calculus

University of South Dakota, Online

GPA: 3.85 | Dec 2019

Masters of Business Administration, Specialization in Business Analytics

Relevant Coursework: Data Management & Warehousing | Production Operations Management | Leadership Development | Operations Management | Managerial Finance | Data Mining for Managers | Marketing and Organizational Behavior | Data Mining for Competitive Advantage | Managerial Marketing | Managerial Accounting | Managerial Economics | Quantitative Analysis | Business and Its Environment | Strategic Management

Code Academy and Pluralsight's - HTML | CSS | JavaScript | SQL | Python | .NET | C# | Angular | SOLID

Honors, Involvement, & Awards

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- * Magnifer (stand out performance) winner at CentralSquare Technologies
 - * Youngest manager at CentralSquare Technologies
 - * Augustana Graduates Of the Last Decade, GOLD, president
 - * Sioux Falls Data Science Community Leader
 - * Cum Laude Graduation Honors from Augustana University