

Matthew J. Enterline

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Work Experience

Software Engineer - UI Team Lead

January 2022 - Present

Envestnet

- Building highly configurable financial proposal application with **ReactJS**, **Typescript**, **Redux**, **Next.js**, and **Tailwind CSS** that is used by top financial advisor firms
- Practicing **test-driven development** with **Jest** and **React Testing Library**
- Leading scrum team of UI developers in design, unit testing, and code reviews
 - Refactoring legacy code into modular, unit test-able components
 - Enhancing Typescript support by aligning strong types with API code
 - Led high visibility project for major React upgrade without jeopardizing product priorities
- Member of SDLC task force to enable better agile practices in distributed scrum teams

Software Engineer

November 2019 - January 2022

Cargas Systems, Inc.

- Developed full stack applications for delivery and service software using **ReactJS**, **C#**, and **SQL Server**
- Built features across the software development lifecycle - from design to release and maintenance
 - Tiered Pricing module for dynamically pricing deliveries
 - Text Messaging alerts for upcoming deliveries and correspondence with customer service
- Spearheaded a UI testing initiative using **Jest** and **React Testing Library** for new ReactJS code

Software Developer

July 2017 – September 2019

Confluence, Inc.

- Built end-to-end WinForms and WPF user interfaces for desktop application with **C# / .NET**
- Developed highly testable, and reusable code with object-oriented architecture adhering to SOLID principles
- Developed full-stack workflows for financial reporting used by large fund managers globally

Software Developer – Middleware

September 2016 – May 2017

Susquehanna International Group, LLP

- Developed **C++** application to monitor network visibility and store records in an **ELK stack**
- Built **Python** tools for data analysis and alerting of **Elasticsearch** data
- Using **Bash**, redesigned deployment, management and configuration of software router into linux package

Software Developer

June 2014 - August 2016

SevOne, Inc., Newark, DE

- Developed data pipeline for high throughput monitoring software with **C++**
- Integrated **Apache Kafka** into legacy code base for substantial performance improvement
- Critical member of teams troubleshooting and fixing customer issues at large scale telecom companies

Education

University of Delaware, Newark, DE

Spring 2014

- Honors Bachelor of Chemical Engineering
 - Minor - Computer Science

Undergraduate Research - Prof Roberts' Laboratory

- Utilizing **FORTRAN**, **Matlab**, and **Java Swing** - built full stack application to enable **research in protein-protein interactions** via Monte Carlo simulations

Publications

Chen et. al. Finite Element Method (FEM) Modeling of Freeze-drying: Monitoring Pharmaceutical Product Robustness During Lyophilization. *AAPS PharmSciTech*. (2015) 16: 1317. DOI: 10.1208/s12249-015-0318-9.

O'Brien et. al. Modulating non-native aggregation and electrostatic protein-protein interactions with computationally designed single-point mutations. *Protein Eng Des Sel*. 2016 Jun;29(6):231-43. doi: 10.1093/protein/gzw010.