

Enthusiastic software developer with a passion for building applications alongside a team of fellow engineers who love solving problems. I have been creating, innovating, and inspiring development teams, students and organizations for over 8 years. My experience ranges from embedded systems, to being a founding developer of a successful PaaS startup and most recently getting into the complex world of healthcare and business intelligence.

I am a highly motivated developer who thoroughly enjoys learning and continuing to build and improve processes. From creating containerized applications to implementing Kubernetes on bare-metal. I enjoy and look forward to tackling new challenges and meeting new people.

Experience

Memorial Health System
Senior Software Engineer
Mar 2016 – Present



Senior Software Engineer on a Decision Support team that brings BI, analytics and integration into our healthcare system. Our primary focus is a secure cross-platform application for desktop and mobile devices that focuses on C-Suite, management and physician success.

All applications are built on top of a highly scalable and flexible API that is distributed via containers on our on-premise Kubernetes clusters. We leverage GraphQL which makes our APIs friendly and highly reusable which is perfect for consistency, discovery and query tool for our team.

Since our team is focused on analytics we capture detailed information from visualizations and utilization via the ELK stack. This allows us to understand usage, issues and really get a firm understanding of our product offerings.

Utilizing Tableau for creating meaningful insight to such large and complicated datasets that are often required in healthcare. Whether it is doing sentiment analysis on user surveys for patient experience, rapid keyword extraction to pull key points from large data, or using k-means to cluster patient visits.

A large part is to be creative, identify problems, build solutions and help inspire those around me to keep innovating and building awesome things =)

West Virginia University - P
Adjunct Faculty
Aug 2012 – Present



Teaching Computer Science students the power and possibility of writing software. This can range from an introduction to web development all the way to creating full stack applications.

Help provide real workplace tools, experience and concepts such as storyboarding mock designs, collaborating features and utilizing GitHub for source control. I also have the students present their projects to their peers and provide opportunity for positive feedback as well as constructive criticism.

I believe in sharing my excitement for learning with my students and by simply exposing students to new ideas to be invaluable to the growth of their education.

nChannel Inc.
Senior Developer
Oct 2011 – Mar 2016



I was a cofounding developer that helped start this successful Ohio based multi-channel startup. When starting a company you must have a diverse skillset and be able to tackle any challenges with confidence to ensure success.

I helped create a product management tool that allowed for real time communication and bi-directional synchronization of products between disparate systems. You could ingest products from various systems allowing you to create the best representation of that items. I also built friendly ETL tools and integration points to several ecommerce sites that allowed the user to rapidly connect and sell across various channels with unique product fingerprints that met the end channels requirements.

When dealing with data at scale we had to build APIs that were dynamic and performant that allowed flexibility and yet provided various levels of security and permissions. Pair this with data that is mission critical such as orders, we also needed robust queueing mechanisms to ensure work was never lost and can be easily delegated and scale workers to handle volume.

There is much to tell from my great experience at nChannel from integrations, software, to staring a business from Angel investment...feel free to ask for more detail.

eLIMBS
Developer
Jan 2011 – Sep 2011



eLIMBS (electronic lumber inventory management business system) was a local software company that specialized in inventory management for the hardwood industry. We wrote software for both desktops and handheld computers that allowed users to audit inventory, measure lumber, and other various needs of the lumber industry.

During my time I realized that we could improve user experience by automating the upload of information. I wrote some C# code that allowed us to detect when a handheld would become docked and allowed us to automatically access the data and begin syncing it up to the database. This made the process much easier and reliable and helped with adoption of the software.

Education



West Virginia University at Parkersburg
Bachelor of Applied Technology – Network Security
2006 - 2011




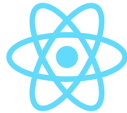








West Virginia University at Parkersburg
Associate of Applied Technology – Computer Information Technology
2006 - 2008












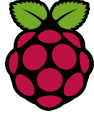
Art Institute of Pittsburgh
Visual Effects and Motion Graphics
2004 - 2005

Current Toolset

Here are a few tools that I am currently utilizing.

 NodeJS	 ReactJS and React-Native
 Vue.js	 Electron
 Golang	 Python
 TensorFlow	 Tableau and Tableau Server
 docker	 kubernetes

Other Skills

 GitHub	 .NET
 GraphQL	 Redux
 MongoDB	 Redis
 ELK stack	 MSSQL
 VSCode	 Pi and embedded systems