

## SENIOR SOFTWARE ARCHITECT

Over ten years of successful software development experience with a reputation for meeting the most challenging organizational goals and objectives. A pragmatic and focused individual recognized for “making seemingly impossible situations work.”

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### Professional Experience

**Ostrich**, Oct 2020 – Present

<https://getostrich.com/>

**TECHNICAL LEAD** – Responsible for the entire design and development process of financial accountability social platform.

Utilized multiple development technologies such as **Node.js**, **Express.js**, **React Native**, **Relay**, **GraphQL**, **C#**, **Azure Functions** and **Azure Service Bus**

Utilized **Azure**-based technologies such as **App Services**, **Azure SQL**, **Azure DNS**, and **Application Insights**

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**Guidewell/Florida Blue**, Nov 2019 – Aug 2021

**SENIOR DEVELOPER** – Responsible for the development and maintenance of health plan management systems serving millions of customers across the country.

Specific duties and responsibilities include:

- Design, develop, and maintain both front and back-end applications using **Node.js** and **React**
- Develop proof-of-concept products using **React** with both **GraphQL** and **REST APIs**

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**ASG Results/National Auto Care**, Mar 2019 – Oct 2019

**SENIOR DEVELOPER** – Responsible for the design, development, and maintenance of vehicle service contract issuance site used by over 100 credit unions across the country.

Specific duties and responsibilities include:

- Design, develop, and maintain both front and back-end applications using **C#**, and **ASP.NET MVC 5**
- Develop proof-of-concept products using **C#**, **.NET Core**, **React** and **Azure**

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**Fidelity National Financial**, Mar 2018 – Mar 2019

**SENIOR DEVELOPER** – Responsible for the design, development, and maintenance of multiple enterprise-scale systems responsible for processing over \$4 billion per year in Title and Escrow policies and fees.

Specific duties and responsibilities include:

- Design, develop, and maintain both front and back-end applications using **C#**, **jQuery**, **ASP.NET MVC** and **Web API** hosted partially in **Azure**
- Document new and existing systems

Manage remediation of application security analysis findings

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**Centeva, LLC**, Aug 2016 – Feb 2018

**SENIOR DEVELOPER** – Responsible for the design, development, and maintenance of an n-tier Government Acquisitions Management system.

Specific duties and responsibilities include:

- Design, develop, and maintain both front and back-end systems for **Government Acquisitions Management**
- Integrating existing systems with third-party services
- Produce custom **developer tooling** for back-end systems management

## PROJECTS

Enterprise Service Bus for Department of Veterans Affairs:

- Placed in charge of development for existing **.NET 4.5** and **SQL Server 2012** ESB, providing APIs and services for a host of client applications

Client-facing Acquisitions Management applications:

- Assisted in development of custom developed front-end for Acquisitions Management
  - Inherited and maintained existing software from previous contracting customer
  - Revamped **React/Redux**-based existing UI and **Web API 2** server functionality, resulting in 5-star ratings from government clients all over the country.

**Glimpse Live, LLC**, 2015 - 2016

**FULL STACK WEB DEVELOPER** – Responsible for the design, development, and maintenance of an n-tier Optometry and Dentistry business analytics platform.

Specific duties and responsibilities include:

- Spearheaded the design and development of full backend powering a modern client data extraction and analytics system
- Produced custom **developer tooling** for arbitrarily structured data analysis
- Gained skills in **Agile** development practices utilizing **Atlassian JIRA** software
- Utilized various Linux distributions within local **VMs** and **AWS EC2** instances
- Managed **Node.js** application deployment with **pm2** and **nginx**

## COMPLETED PROJECTS

Dentistry Business Analytics platform:

- Worked mostly unaided in development of all aspects of a fully custom business analytics platform.
  - Designed **MongoDB 2.6** and **SQL Server 2014** underlying databases
  - Architected a **Redis-based queue processing system** for data transformation and analytics
  - Wrote **custom queries and stored procedures** for various CRUD operations
  - Developed front and back-end **JavaScript** and **Typescript** for client UI utilizing **React**, **MongoDB**, **Express.js**, and **Node.js**
  - Created and consumed **JSON web services** with **Express.js** and **ASP.NET Web API**
- Created and maintained **.NET 4.5** client applications for data extraction

Optometry Business Analytics platform:

- Teamed up with developers and subject matter experts to create new revisions of Optometry EHR system data extraction services
  - Developed from-scratch **.NET 4.5** multithreaded data extraction service
  - Performed maintenance on existing **.NET 3.5** services

**RR Donnelley & Sons Company, 2012 - 2015**

**WEB APPLICATION DEVELOPER** – Responsible for the design, development, and maintenance of **over 50 individual client web sites**, both back-end and front-end for a range of large financial institutions including T. Rowe Price and Washington Mutual.

Specific duties and responsibilities include:

- Worked with development team to create new **ASP.NET** sites based on client requirements
  - Developed new applications in **both ASP.NET WebForms and MVC** platforms
  - Utilized both **ADO.NET and Entity Framework** for data access to a **SQL Server 2008** database
  - Wrote **custom queries and stored procedures** for various CRUD operations
  - Developed front-ends using **HTML5, CSS3, jQuery, and Bootstrap**
  - Created and consumed **web services** with **both WCF and Web API**
- Maintained existing client sites, providing new and updated features as requested
- Developed new, fully customized internal reporting tools
  - Developed fully custom server and client-side UI controls
- Maintained up-to-date skills in new and emerging technologies
  - Gained knowledge in many **server-side JavaScript** products such as **Node.js and MongoDB**

**United States Air Force, 2008 – 2012**

**AEROSPACE PROPULSION JOURNEYMAN** - Completed 4-year career with the U.S. Air Force. Gained management status above peers. Participated in the complete revitalization and overhaul of the EC-130H weapons system from the low status perceived in the past to the most powerful and effective Electronic Combat platform in history.

An active participant in the multiple cross-service contingency preparation exercises, and served a tour supporting combat missions in Operation Enduring Freedom. Part of a team that, during my service, received multiple service-level awards, including the Air Combat Command Maintenance Effectiveness award 3 consecutive years. A successful record for managing complex operations, supervising teams of people responsible for \$2.2 billion in assets.

**Precision Castparts Corporation, May - December 2007**

**SOFTWARE DEVELOPER (Temporary Co-op)** - Maintained and developed Enterprise Resource Planning software managing \$300 million of inventory per year utilizing a SQL Server 2000/2005 and FoxPro-based backend, with Visual Basic 6 and C# 2.0 client and server-side applications. Responsible for “modernization” of ERP system by migrating existing client-side applications to .NET standards and architecture. Specific duties and responsibilities include:

- Worked in three-man team in the development and maintenance of a **VB6/FoxPro/SQL Server 2000-based ERP** system for a major aeronautics industry parts manufacturer.
  - Solely responsible for upgrading existing VB6 and FoxPro application to .NET (C# and VB)
- Assisted team in implementation and integration of new VB6/SQL Server 2005-based ERP system by modifying existing applications as well as developing utilities for data migration.
- Proposed and subsequently assigned with setup/maintenance of new development environment
  - Performed setup and configuration (hardware and software) of source repository, file server, Exchange accounts for development/testing use, and isolated SQL Server instance
  - Developed bug reporting library and associated application

<b>Additional Skills</b>	<p><b>Windows software development and testing</b> with multiple languages and environments:</p> <ul style="list-style-type: none"> <li>• <b>Nearly 20 years experience</b> with <b>Microsoft Visual Studio</b> using <b>VB.NET</b> and <b>C#</b></li> <li>• <b>10 years</b> experience in <b>multiple web platform technologies</b> including: <ul style="list-style-type: none"> <li>○ <b>ASP.NET WebForms, Web API, and MVC</b></li> <li>○ <b>Node.js</b> with <b>Express.js</b> and other libraries</li> <li>○ Multiple front-end development tools: <b>HTML5, CSS3, JavaScript</b>, and a wealth of libraries.</li> </ul> </li> <li>• Experience with <b>multiple .NET libraries</b> and conventions: <b>Windows Forms, ADO.NET, LINQ, Generics, TPL</b>, and <b>Visual Studio Tools for Office</b>.</li> <li>• Knowledge and experience with industry standard <b>patterns &amp; practices</b></li> </ul> <p>Experience in <b>SQL Server 2000 through 2016</b> setup and deployment</p> <ul style="list-style-type: none"> <li>• Contributed to implementation of <b>large-scale ERP system</b></li> <li>• Expertise in <b>T-SQL</b> and normalized <b>database design</b></li> </ul> <p><b>Skilled in presenting clear and concise training</b></p> <ul style="list-style-type: none"> <li>• Conducted several training courses in classroom and on-the-job settings in 10+ subjects</li> </ul>
<b>Education</b>	<p><b>DeVry University Online - Game and Simulation Programming</b></p> <ul style="list-style-type: none"> <li>• Pursued Bachelors in Applied Science.</li> <li>• <b>Maintained 3.6 GPA</b> over 2 semesters; placed on DeVry University Dean's List both terms.</li> </ul> <p><b>Community College of the Air Force - Aviation Maintenance Technology</b></p> <ul style="list-style-type: none"> <li>• <b>Completed 39 credit hours</b> towards associate's degree during time in service; continued education with DeVry University.</li> </ul> <p><b>East Central Technical College - Game and Simulation Programming</b></p> <ul style="list-style-type: none"> <li>• Spent extra time during course learning ancillary skills in various programming languages and environments including Visual Basic 6 &amp; 7, C# 1.0-3.0, and Java 6.</li> <li>• Gained experience in Windows system administration in enterprise environments</li> </ul>