Stephen G Collins

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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."

Professional Experience	Concurrent Projects
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, Material-UI** Utilized **Azure**-based technologies such as **App Services, Azure SQL, Azure DNS,** and **Application Insights**	**Gomigo, LLC,** Oct 2019 – Present https://gomigo.app/ **LEAD DEVELOPER** – Solely responsible for the entire design and development process of a social scheduling application. Utilized multiple development technologies such as **Node.js, Express.js,** and **React** Utilized **Azure**-based technologies such as **App Services, Azure SQL, MongoDB, Azure DNS, Azure Active Directory, Function Apps, Front Door, Azure CDN, Key Vault, Azure Cache for Redis,** and **Blob Storage**
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**	**ECP, Inc.** July 2018 – Present https://ecpinc.net/ **CONSULTING DEVELOPER** – Responsible for the entire design and development process of a customer claim reporting system. Utilized multiple technologies such as **SQLite, jQuery, React, C#,** and **.NET Core** Utilized **Azure DevOps** for **CI/CD process** deploying to other hosted services Managed installation and configuration of **WordPress** hosted on **Digital Ocean**
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**	**Craimark,** July 2017 – Present https://ecpinc.net/ **CONSULTING DEVELOPER** – Responsible for various projects, primarily in back-end development for custom marketing sites Utilized multiple technologies such as **SQLite, jQuery, React, C#,** and **.NET Core** Utilized **Azure DevOps** for **CI/CD process** deploying to other hosted services Managed installation and configuration of **WordPress** hosted on **Digital Ocean**

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 polices 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

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 font-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

Additional Skills	**Windows software development and testing** with multiple languages and environments:

- **Nearly 20 years experience** with **Microsoft Visual Studio** using **VB.NET and C#**

- **10 years** experience in **multiple web platform technologies** including:

  - **ASP.NET WebForms, Web API, and MVC**

  - **Node.js** with **Express.js** and other libraries

  - Multiple front-end development tools: **HTML5, CSS3, JavaScript,** and a wealth of libraries.

- Experience with **multiple .NET libraries** and conventions: **Windows Forms, ADO.NET, LINQ, Generics, TPL,** and **Visual Studio Tools for Office**.

- Knowledge and experience with industry standard **patterns & practices**

Experience in **SQL Server 2000 through 2016** setup and deployment

- Contributed to implementation of **large-scale ERP system**

- Expertise in **T-SQL** and normalized **database design**

Skilled in presenting clear and concise training

- Conducted several training courses in classroom and on-the-job settings in 10+ subjects

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Education

DeVry University Online - Game and Simulation Programming

- Pursued Bachelors in Applied Science.

- **Maintained 3.6 GPA** over 2 semesters; placed on DeVry University Dean's List both terms.

Community College of the Air Force - Aviation Maintenance Technology

- **Completed 39 credit hours** towards associate's degree during time in service; continued education with DeVry University.

East Central Technical College - Game and Simulation Programming

- Spent extra time during course learning ancillary skills in various programming languages and environments including Visual Basic 6 & 7, C# 1.0-3.0, and Java 6.

- Gained experience in Windows system administration in enterprise environments