

**Contract Senior Software Developer - Custom Data Processing**  
Enterprise Health Systems and Public Welfare Software

**Oct 2018 to Current**

**My Role as a member of the Mosaic\Tesla Team:** Provide ongoing maintenance, new features, improvement support of the CDP WIC (Women, Infants, and Children) Benefit Management processing system.

**Responsibilities**

- Modernizing UI to leverage newer UX patterns in newer technologies
- Improve Data Access Layer to help with service performance and promote maintainability
- Upgrade significant portions of software as needed to maintain compatibility with newer systems.
- Implement features to stay in compliance with federal guidelines
- Fix any issues or discrepancies with software as needed

**Development Contributions**

- Refactored complex and bug heavy code in business logic and data
- Added a significant focus on providing test coverage of applications and improving code hygiene
- Mentored fellow developers in improved coding practices and test quality
- Contributed training and documentation on processes and developer tools

**Skills Used:**

C#, Typescript, Javascript, SQL, [ASP.NET](#), Web.API, .Net Core, Entity Framework, Web forms

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**Senior Software Developer – Hire Right (Formerly General Information Services)**

July 2017 to Oct 2018

*Background Check Services and Integrations - <https://www.geninfo.com/>*

**My Role as a Member of Stratus Operations Team:** Our team was to design and develop a Micro Tasking Service (a la Amazon Mechanical Turk) that simplifies and aggregate internal customer operations work across different departments and is entirely cloud based. This tool would be able to generate tasks from requesting applications and assign them based on configurable “rules” set by admin users.

**Development Contributions**

- Created prototypes of initial application
- Authored the project level architecture
- Core front-end\back-end development
- Planning and supporting integrations with other teams work streams

**Workflow and Team Contributions**

- Authored deployment workflow strategies
- Documenting team processes
- Writing and reviewing User\System Stories
- Created process documentation for development workflow and helped to establish team habits for working through a story

**Infrastructure Contributions**

- Established the AWS deployment pipeline with Jenkins and subsequent migration to VSTS and maintained both
- Created Cloud Formation Templates that covered the creation, setup and deployment of EC2s, ELBs, and databases to our various VPCs
- Wrote automation tooling using AWS PowerShell cmdlets to ease deployment of AWS as well as simplify Azure App registration security.
- Troubleshooting issues with infrastructure, deployments, security, and anything related to cloud service usage

**Additional Contributions:**

- Ran and facilitated an internal Company Wide Web Developer User Group and gave multiple talks in that group on the subjects such as Front-end tech, DevOps and Functional Programing.
- Worked as a technical screener for future developer candidates for my team as well as other teams
- Mentored less experienced developers on Angular, AWS Tools, Azure Security, Clean Code and the basics of Agile.

**Skills Used:**

C#, Asp.Net (Core, Web API2), Angular 3+, Agile Scrum, TypeScript, Jenkins, PowerShell, Cake, VSTS, git, CICD Azure (Active Directory, Graph API, App Registration and Authentication), AWS (RDS, DynamoDB, CloudFormation, Code Deploy)

**My Role as a Full-Stack Solution Oriented Consultant:** I acted as a solo developer and member of various teams for short term projects. I was responsible for all parts of the business from sales and compliance to development and delivery. I've also consulted companies on managing existing products, determining business models and platform choices.

**Selected Client Projects:**

**Zverse** (3d Printing & Modeling) - <http://www.zverse.com> (remote with some onsite)

- Partnered with Web designer to develop a freelancing platform that established a whole new revenue stream for Zverse
- Developed deployed and hosted Front and Backend Web-based 3d Artist Marketplace

**Event Pro LLC** (Event Publishing Platform) - <https://eventpro.io> (remote)

- Established and integrated additional revenue model for registering events with Stripe Payments
- Migrated platform from Azure to AWS
- Conversion of existing web app to Native Mobile App.
- Patching various issues with Admin Site and Web Service

**Vertical Alliance Group** (Training for Trucking Industry) - <https://verticalag.com/> (remote)

- Cleaned up, maintained and updated the offline mobile web client for Trucking LMS Training
- Helped to Strategize payment model for Platform SCORM Training Course add-on integration
- Provided training and integration for SCORM to LMS

**Skills Used:**

C#, Javascript, Asp.net (core, MVC Web, API2), Xamarin.Forms, Node.js, Express, Angular, Twitter-Bootstrap, SCORM, MSSQL, PostgreSQL, AWS (RDS, S3, Cognito), Azure (AzureDB, Blob Storage, Web Service)

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**Lead Software Developer – Visibility Software**

Jan 2014 to Oct 2015

HR Software Solutions for Learning Management Systems (Cyber Train), Applicant Tracking and Employee Onboarding (Cyber Recruiter) [visibilitysoftware.com](http://visibilitysoftware.com)

**My Role as a Member of the Development Team:** Our team performed any and all development and maintenance of all of our web-based HR software products (Cyber Recruiter and Cyber Train)

**Contributions on Cyber Recruiter (Applicant Tracking System)**

- Core Development of Bug Fixes and Features
- Added LinkedIn API integrations for Applicant Career Portal
- Developed small Domain Specific Language for that allows for users to configure rules for applicant workflow pipeline

**Contributions on Cyber Train (Learning Management System)**

- Core Development of Bug Fixes and Features
- Provided Tier 2 Level Customer Support for Installation\Configuration of LMS Web Application
- Acted as the subject matter expert in when engaging with SCORM Service Providers
- Provides recommendations on software architecture related problems and researches tooling options based on company needs and timeline restrictions

**Additional Responsibilities as IT Tooling\Support:**

- Deployed new versions of software on internal and cloud-based hosted clients
- Developed Payroll Data Import\Export tooling for our partner company (Sage)

**Skills Used:**

C#, VB.Net, WinForms, Asp.Net (Web Forms), Telerik Web Controls, Javascript, JQuery, SQL, SCORM, AWS (EC2)

**My Role as a Member of the Web Product Team:** Our team maintained the existing benefit management site, added new clients and setup new client rules for companies making changes to their benefit packages. (Classic ASP) We also we rewrote sections of the existing application on an as needed basis. (This was determined based on business value within the company)

**Contribution to Benefit Portal:**

- Provided maintenance of web-based insurance brokerage software suite
- Wrote tooling to improve everyday processes such as restoring local databases with SMO

**Contributions to New Tooling**

- Design architect for rewrite of client management application
- Created Single Page Application (SPA) for simplifying configuration of benefit package options

**Additional Contributions:**

- Acted as subject matter expert in areas related to application design and related areas specific to the .net stack and Javascript related.
- Worked as a technical screener for future developer candidates in related areas
- Provide training for developers on .NET and related technologies

**Skills Used:**

C#, Javascript, Asp.net (MVC WebAPI), Dapper, Knockout.js, Require.js, Sammy.js, JQuery-jtable, JQuery-validation-engine, Classic ASP, MSSQL

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**Contract Application Developer- SCANA CORP**

Feb 2012 to Dec 2012

Publicly Traded Energy Utility Company - <https://www.scana.com/>

**My Role as a Member of the Next Gen Team:** We were tasked with moving many of the existing PowerBuilder based Desktop applications to WPF as well as building support libraries and tools for other teams to use to simplify other developer team's transition to WPF.

**Contributions as a WPF Control Suite Maintainer**

- Provided developer support with documentation, one on one code review, bug filing reviews and fixes.
- Added control features and fixed bugs filed in bug backlog based on severity and priority
- Created documentation and code samples for guidance on how to use controls
- Supported developers with issues, questions and code reviews for work related to control usage

**Contributions as a Customer Service Platform Developer**

- Developed Login Client and API for revamped customer service application portal
- Assisted with Core development of Customer Service Agent tooling
- Ported existing functionality from Power builder Application

**Skills Used:**

C#, WPF, XAML, Prism, SQL, DB2, COBOL, WCF

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**Contract Web Developer -The Benefit Company**

Mar 2011 to Feb 2012

Insurance Benefit Management Suite for Small to Medium Sized Companies - <https://benefitcompany.com>

**My Role as a Member of the Next Gen Team:** We were tasked with moving many of the existing PowerBuilder based Desktop applications to WPF as well as building support libraries and tools for other teams to use to simplify other developer team's transition to WPF.

**Contributions to Benefit Portal**

- Spearheaded the front-end migration to Javascript from VBScript, ensuring that the product would remain available and secure for all client users.
- Established the unit testing for new Javascript methods in the ported code base
- Added source control to sections the application where there were none
- Developed in-house date time validation jQuery plugin and contributing much of its logic to the open source project See jQuery-Validation-Engine @ <https://github.com/posabsolute/jQuery-Validation-Engine>
- Provide programming support legacy insurance management applications

**Additional Contributions:**

- Provided training on advanced and esoteric concepts in Javascript.

**Skills Used:**

C#, VB.net, Javascript, HTML, CSS, JQuery, Classic ASP, MS SQL Server

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**Contract Software Developer – SoftDocs**

Mar 2010 to Mar 2011

Document Management Systems for K-12 and Higher Education Institutions -<http://softdocs.com>**Contributions as a member of the Document Scanning Development Team**

- Development of rewrite of flagship document scanning and retrieval software application
- Design web front end for application
- Translation of code from product's predecessor
- Creating custom Tooling plugin for Workflow development
- Design configuration testing documentation and deployment tools and scripts
- Perform QA and Test via Unit and Db Integration testing.

**Skills Used:**

C#, Asp.net MVC, WIX (MSI Installer Technology), WPF, MVVM, Windows Workflow Foundation, Visual Studio Addins\Extensions, JQuery

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**Contract Software Developer – Powerserve International**

July 2009 to Feb 2010

Custom Software Consulting Agency - <https://www.powerserve.net/>**Role as Team Member**

Team is responsible for the creation and maintenance of Web sites and applications for corporate, non-profit and other clients. Work includes front-end\back-end development, database optimization, w3c compliant websites, testing, training, hosting, security, traffic generation and ongoing updates.

**Contributions to Lens.com Project**

- Developed the Product returns data tracking and product handling system.
- Wrote data import jobs and reports for shipping, UPC handling, customer info, doctor info and product returns.
- Developed outlining structure for doctor registration, review and location listings.
- Handled managing daily updates and bug fixes.

**Contributions to MastersHousing.com Project**

- Created login permissions system and user administrative tools
- Developed booking and transactional data manipulation applications, tracking system and administrative reports for user and renter data.

**Skills Used:**

C#, Javascript, CSS, HTML, SQL, VBScript, Asp.net (Web Forms), Classic ASP, JQuery

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**Contract Blackberry Systems Analyst – Sykes**

Feb 2009 to July 2009

Outsourcing Customer Service Agency - <https://www.sykes.com/>**Role as Tech Support Agent :**

Provide remote technical support for Blackberry Enterprise Server (BES), Exchange and Blackberry Device related issues to include security, database infrastructure, usability, signaling, and provisioning for high profile clients.

**Additional Contributions**

- Designed system to streamline customer interaction and improve Agent report clarity and uniformity using Javascript, HTML and CSS.
- Provided additional training to co-workers and guidance on many of the more complex troubleshooting issues primarily in the areas of Encryption, Security protocol and MS SQL Pipe connections and data validation

**Skills Used:**

System Administration, SQL, Blackberry, Javascript, Active Directory, Exchange-server

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**Web Developer/ IT Utility Technician – Insite Support Services**

Feb 2009 to July 2009

Customer Support Agency - <http://www.insitesupport.com/>**Role as Web Developer/IT Technician:**

Manage, maintain and extended internal company intranet web application.

**Contributions:**

- Refactor and redesign internal web applications for interfacing with IT and Insurance Customer Service agents.
- Converting from legacy website to w3c xhtml validated, db driven web applications, capable of running on multiple browsers.
- Provide 2d level support for intranet site, VOIP phones, workstations and Active Directory.to include security, database infrastructure, usability, signaling, and provisioning for high profile clients.
- Maintained user accounts, and managed phone, email systems, call audio archives, trouble tickets.
- Train colleagues on Active Directory, user management, PC repair, JavaScript, ASP, and ASP.NET.

**Skills Used:**

C#, Asp.net, Classic ASP, VBScript, SQL, Javascript, HTML, CSS

**Role as member of S6 Team:**

Administered and maintained complex network, including email servers; handled backup and security. Installed, managed, and troubleshot Signal support equipment, terminal devices, radio, and data distribution systems. Configured Cisco routers. Provided technical support for all hardware and applications. Researched and recommended new technologies and solutions.

**Key Achievements**

- Led design and implementation of network and infrastructure plans; coordinated deployments to maximize resources and availability.
- Provided project management for small- to medium-sized projects, including budget, scope, and schedule management.
- Trained colleagues on automated and communications systems as well as Signals support equipment.
- Recognized for contributions with Excellence awards.

**Skills Used:**

*System Administration, PC Repair, Information Security Compliance, FM Radios, Cisco Routers, Windows-Server, Active Directory, Networking*