

Odell Garrison

Pelzer, SC | (864) 590-0459 | odell@garrisonweb.net | www.linkedin.com/in/odell-garrison

Detail-oriented application developer with 20+ years success designing innovative and tailored solutions to meet ever changing business requirements within diverse industries. Determined and dedicated individual with strong work ethic. Logical and creative problem-solver with a keen ability to translate complex problems into simple terms and requirements. Team player with a positive and can-do attitude.

Technical Skills

Languages	C#, C++, C, JavaScript, VBScript, HTML, XML, XAML, T-SQL, Swift, TypeScript
Azure	Resource groups, Subscriptions, Storage Accounts, App Service Plans, App Services, Function App, Key vaults, API Management, Active Directory, Application Insights
Technologies	.NET, WPF, COM, React
Programming Methodologies	Procedural, OOP, Flow-Driven, Event-Driven
Project Management	Waterfall, Agile, Scrum
Tools	Visual Studio, Azure DevOps, ReSharper, PostMan, Xamarin, GIT, SourceGear Vault, PVCS Version Manager, TFS, Telerik, UI for WPF, LeadTools, InstallShield
Databases	MS SQL, SQLite
Current Training/Professional Development	Courses on Blazor, TypeScript, Mobile Development (IOS & Android)

Experience

ScanSource

Greenville, SC

Developer

June 2021 – Present

- Part of a team tasked with creating / implementing a synchronization web service which would synchronize data changes between 2 or more subscriber processes.
- Assigned the task of creating unit tests for the entire code base of the synchronization web service once I was brought onto the team. Ultimately, I was able to achieve a 94% code coverage of the code base using MSTest unit tests and from that point forward unit tests were created as new development was performed by each team member.
- Manually setup the necessary resources in Azure needed to support the synchronization service and its components.
 - Some of the components included but were not limited to storage accounts, app service plans, app services, function apps, service bus queue, SQL DBaaS, key vault, application insights, API management, etc.
- Created an Infrastructure as Code project for the synchronization service's Azure infrastructure using Terraform.

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RedSail Technologies, LLC.

Spartanburg, SC

Systems Development Engineer

February 2007 – August 2020

- Worked directly with Product Managers / Product Analysts and other project stakeholders to identify and solidify requested features, build requirements, etc.
- Team lead; assigned, coordinated, and reviewed work of programming team.
- Mentored and advised early career programmers and support technicians.
- Designed, implemented, and maintained a thin replacement for the MFC based client application using the Microsoft .NET framework which improved support capabilities by removing the need for a pool of GUI clients to facilitate communications between web services and proprietary application / data server.
- Designed, implemented, and maintained a C++ based Windows service which was responsible for running workstation related updates which were pushed to the workstations from the application server. This service facilitated the installation of workstation dependencies without the need for the workstation administrator to be present.
- Designed, implemented, and maintained consumer facing iOS and Android applications written in C# .NET using Xamarin.iOS and Xamarin.Android.
- Enhanced and maintained an internal website which provided information regarding customers' server and workstation hardware setup and system performance. This site was utilized by the support, development, and marketing staff. It was originally created using classic ASP and required the creation and maintenance of a MS SQL server DB which provided the information it drew from.
- Provided support to upper-level support technicians and conducted troubleshooting for legacy systems to ensure ongoing operations and performance for strategic accounts.
- Improved customer service response time and increased productivity by designing, implementing, and maintaining internal .NET utilities which aided Customer Support in identifying and resolving issues reported by customers. These utilities were WPF applications written and designed using XAML.
- Defined, implemented, and maintained an internally used Windows service written in C# and the .NET framework which scanned error logs as they were automatically uploaded to internal servers after a customer system crash. An email notification would then be sent to a select group of support technicians so that they could proactively contact the customer and perform key file builds which would prevent future crashes.

Systems Programmer

January 1997 – February 2007

- Updated and maintained Microsoft Foundation Class (MFC) based client application used by all healthcare and governmental products.
 - Client application was utilized on over 71,000 workstations across over 4,200 customer sites.
- Developed, tested, and maintained various Retail Pharmacy, Long Term Care Pharmacy, POS, HME, and Governmental software solutions.
- Designed, built, and supported installation packages and deployed to customer's servers and workstations.

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- Converted all the 16bit file sizing / conversion utilities to 32bit programs and made the necessary modifications to those programs so that the system updates would run from CD media as opposed to 3.5" diskettes.
- Designed and developed custom data conversion programs to migrate customer data from their previous software to our products. Performed the data conversions and was responsible for checking the conversion results for accuracy.

ACS Technologies

Florence, SC

Application Programmer

January 1996 – December 1996

Software Support Specialist

September 1994 – January 1996

Notable Projects

Data Sync Service- Infrastructure as Code

November 2021– December 2021

- Took ownership of a project to research and develop an IaC project using Terraform to standup, configure, and tear down, when necessary, all the Azure resources required for our data synchronization service. This provided a quick and reliable means by which new environments could be stood up on short notice.
 - Utilized Terraform Cloud for centralized state management of the various environments (Dev, Test, and Prod).
 - Declared variable sets used for custom configuration of each environment's input.
 - Input variables which contain data which should be kept secure such as passwords, tokens, etc. are marked as sensitive so that the data is kept secret.
 - The Terraform configuration resides in a GIT repository and Azure plans are triggered based on pull requests and merges.
 - Trained the other team members on using Terraform and Terraform Cloud.

QCF Library (QS/I Communication Framework)

March 2014 – July 2014

- Designed, implemented, and maintained a thin replacement for the MFC based client application using the Microsoft .NET framework which was used to provide communication support between web services and the proprietary application / data server.
 - Written in C# and VB.NET
 - Utilized both in-house and by customer's own web development staff.
 - It provided support for report generation at the application server and for transferring the report to the web service. The report could then be transferred to the user's device and viewed through their web browser or mobile application.

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- Decreased support center problem calls by approximately 90% due to no longer needing a pool of resource intensive desktop client applications to communicate with the application / data server.

QS/1 Message Center App

April 2018 – June 2018

- Designed, implemented, and maintained a mobile messaging application for the iOS and Android mobile platforms which would allow customers to receive critical notifications regarding possible interruptions in services due to technical issues and / or inclement weather.
 - Written in C#, utilizing Xamarin.iOS and Xamarin.Android.
 - Designed so that common logic resided in a shared library which was referenced by the projects for both platforms which prevented duplication of code and improved maintainability.
 - Supported push notifications using Google Firebase so that the user would be notified of new incoming messages.
 - The full detailed message could view through the application itself and supported viewing webpages pointed to by links embedded in the message.
 - The application prevented support calls by keeping the customer informed of events occurring which might cause a disruption in services.

Education

Francis Marion University

B.S. Computer Science & Math

May 1994

Florence, SC

References

Available upon request.