

## Summary

As a hands on architect and developer, I have continuously coded over the past 25 plus years from assembly through C, C++, Delphi. C# and, now, .NetCore, Angular and Docker Containers. Dependency Injection has been integral to my designs since Delphi. As my resume reflects, I have been involved in a broad base of industries with most of my work driven by a database and, in the past 8 years, medical instrument applications. R programming and linear algebra have been tools to solve medical instrumentation software.

I am well versed in Agile software development, Test Driven Development (TDD); BPM methodologies and ORM. The practical use of Design Modeling; Continuous Integration and Build processes.

My expert knowledge in basic computer and database science combined with skillsets in these technologies and the medical field make me a well-qualified candidate for all aspects of software engineering, particularly, medical software.

My perfect job involves these technologies with a team of spirited and energetic colleagues to discover, co-mentor and share.

Please see my web site [www.jerryscally.info](http://www.jerryscally.info) . A skill set matrix is attached to the end of the resume.

Current Residence: San Diego, CA

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## Technologies

- **C#, .Net Core, .Net Framework, Parallel Processing, Dependency Injection, Docker, docker-compose**
- **Angular, TypeScript, SCSS, WPF, HTML, JavaScript, jQuery, LINQ**
- **JAVA, SAS, Intel Assembly, XML, JSON**
- **.Net Core Plugins, Angular Plugins**
- **R programming, Linear Algebra, Statistics, Business Analytics**
- **OS – Linux (Ubuntu, Alpine), Windows**
- **Scripting – Bash, PowerShell, Dos BAT**
- **Aspect Oriented Programming (AOP)**
- **Platforms – Cloud, Blockchain, Web, Windows, Linux**
- **ORM – Entity Framework, EF Core, NHibernate, LINQ to Sql/Object**
- **Visual Studio 2019, Borland Development Studio,**
- **Oracle 7-11g, SQL Server, MySQL, Sybase, PostgreSQL 8-12, Database Design**
- **Agile and RAD Methodologies – tools TFS, Scrumworks, JIRA**
- **Interface design, WEB Design, UML**
- **WEB and WCF Services; REST, GraphQL, SaaS and SOA**
- **Postman, Swagger**
- **Version Control – GitHub, GitExtensions, and others**
- **Facebook Graph API, Twitter API**
- **Microsoft Transcript = [www.microsoft.com/learning/mcp/transcripts](http://www.microsoft.com/learning/mcp/transcripts)  
ID= 894160 PWD = scooter12**
- **Bilingual – French and English**

## Experience

### Senior Developer

**Hologic, Inc (2018-present)** – a multi Medical Instruments (Panthers) monitoring system based on Docker Containers, backend REST API, Angular Front end – San Diego, CA.

Web Sockets, Dynamic Linking, 4 Docker Containers, USB Port enabling/disabling, Admin Container which processed root commands, JWT authorization, Database container loaded from shared volume, Entity Framework Core, .Net Core, and Plugins.

### Senior Architect/Developer

**Genalyte, Inc (2012-2017)** – developed instrument software; developed cloud monitoring and reporting system; analytic software; manufacturing processing system and all software infrastructure for the company – San Diego, CA

Microsoft Stack; Azure Cloud – database and applications; WPF for all desktops with link to proprietary database. Tools for the generation of test units and quality control software.

### Senior Architect/Developer

**Aspen Marketing (2010-2012)** – developed a datamining application for major American car company winning a \$10 million contract for Aspen – San Diego, CA

Oracle Relational and Oracle Data Warehouse; Stored Procedures and Batch Importing.

### Architect/Developer

**University of Tennessee (2007-2009)**– eLearning Site & client /server maintenance module – Nashville, TN

WPF windows forms for client server Asp.Net Web Forms, media streaming, jQuery/JavaScript, Sql Server modeling, LINQ to SQL

### Senior Developer

**Healthcare Source (2005-2007)**– HR Web application

Woburn, MA  
MVC 2-3, TSQL Modeling, Entity Framework 4+,  
JavaScript /jQuery, LINQ to Object, Html  
Extensions, WCF API

### Senior Developer

**OnetoOneInteractive-** Social Media Management App, HTML  
Helpers, WCF REST, WCF API, JavaScript/ jQuery w/  
Namespaces Stored Procedures, N-tier with POCO and  
custom mapper and modeling, LINQ to Object

### Senior Developer

**Kurrenci.COM** – virtual currency system  
ASP.NET, WCF and RESTful API, jQuery/JavaScript, interface to  
Authorize.Net, SQL Server, Stored Procedures, LINQ to SQL

### Chief Consultant

**Yankee Top Tech, New York, NY**

Yankee Top Tech is a consortium of developers providing contract services.

As a Yankee Top Tech consultant, I have developed applications – both product and service oriented on the cloud to the desktop

**Experience**October  
1995**Chief Consultant****Core Computer Group, LTD, Boston, MA**

This role included the development, marketing and oversight of Core's contract and consulting services. Direct responsibility for the subcontract with the US.DOT/NHTSA projects as described below.

**Chief Designer, Technical Lead and Project Manager****NHTSA Electronic Data System**

National Center for Statistical Analysis (NCSA) ; the U.S. National Highway Traffic Safety Administration (NHTSA)  
Electronic Data System (EDS)

The EDS is the backbone for more than 7 major NHTSA systems.. The EDS consists of 62 Oracle databases; 65 Windows Servers and 27 LANs connected on a private WAN. These systems collect, analyze and publish data as well as provide email and other network services. The role included the oversight and development of all applications, security systems, networks, databases and recovery processes and documentation. The major systems developed, implemented and maintained are listed below. -

**Chief Designer, Technical Lead and Project Manager National Motor Vehicle Crash Causation Survey (NMVCC)**

01/03-10/05

*Technologies – Visual Studio to Visual Studio 2003, C#, Oracle, XML for client/server portion – ASP.Net for Web site.*

**Chief Designer, Technical Lead and Project Manager Large Truck Crash Causation Survey (LTCCS)**

01/01-10/05

*Technologies – Delphi transitioned to Visual Studio 2003, Delphi to C#, Oracle, and XML*

**Chief Designer, Technical Lead Field Notification System (FSN)**

10/03-07/04

*Technologies – Visual Studio 2003, Oracle, XML*

**Chief Designer, Technical Lead Passenger Van Study**

07/02- 08/03

*Technologies – Delphi, Oracle, XML Application*

**Chief Designer, Technical Lead and Project Manager Special Crash Investigation Management Information System (SCIMIS)**

01/00-07/02

*Technologies – Delphi, Oracle, and XML*

**Chief Designer, Technical Lead and Project Manager Injury Research Engineering Network (CIREN)**

08/97-10/05

*Technologies – Delphi transitioned to Visual Studio 2003, Delphi to C#, Oracle, and XML*

**Chief Designer, Technical Lead and Project Manager General Estimate System (GES) – with 2 revisions**

10/98-10/04

*Technologies – Delphi transitioned to Visual Studio 2003, Delphi to C#, Oracle, and XML*

**Chief Designer, Technical Lead National Automotive Sampling System (NASS)**

03/96-10/0

*Technologies – Delphi, Oracle, and XML*

**Experience**

<b>Developer</b> <b>Collateral Asset Management Systemwith Workflow Engine –</b> Fleet Bank	09/95-02/96
<b>Designer and Develop</b> <b>NY Worker’s Compensation Provider Electronic System</b>	06/95- 09/95
<b>Developer and Designer</b> <b>Miami/ Dade County Toll Bridge collection and monitoring system</b> TRIMI, Stone Ridge, NY.	
<b>President</b> <b>SOFTData, Ltd</b> , Kingston, NY	07/88-05/93
<b>Vice President of Research &amp; Development</b> <i>Time Management Inc, NYC, NY</i>	04/86-06/88
<b>Chief</b> , Neuropharmacology Division <i>Ives Laboratories, NYC, NY</i>	10/84-03/86
Private Medical Practice, NYC, NY	01/95-07/95 08/80-09/84

**Experience  
Education**

- *Continuing Education in Computer Science and Program Management – details upon request* 1987-present
- **New York University**, Courant Institute, NYC, NY 09/86-06/88  
*Diploma in Computer Science*
- *Chief Resident, Neurology* 07/79-06/80  
**New York Hospital Cornell Medical Center  
Sloan-Kettering Cancer Institute**, NYC, NY
- *Associate Physician* 07/79-06/80  
**Rockefeller University**, NYC, NY
- *Neurology Residency* 07/77-06/79  
**New York Hospital Cornell Medical Center  
Sloan-Kettering Cancer Institute**, NYC, NY
- *Medical Residency* 07/75-07/77  
**New England Medical Center**, Boston, MA
- **University of Illinois**, Medical Center, Chicago, Illinois 09/72-06/75  
*MD – James Scholar, PHD – Neuroimmunology*
- **University of Illinois**, Chicago, IL 09/70-06/72  
*BSc, Cum Laude, Honors and Distinction in Mathematics*
- **McGill University**, Montreal, Quebec, Canada 09/64-06/67  
*Honors in Chemistry and Mathematics*

**Honors**

(abbreviated)

- Leadership Award- TSSC Contract Annually  
1998-2004
- U.S. Presidents Merit of Achievement 2001
- Outstanding Database Design – DWI 1999
- NASS User Award – for Outstanding Interface 1999
- Physicians Recognition Award - AMA 1988
- Roche Award in Neuropsychiatric Research 1974

**Pro Bono Work**

2000- present

**NYC Cultural Database** – Designed and implemented data driven site. [www.nyc-arts.org](http://www.nyc-arts.org)

**Boston Living Center** - Donor/ Client mix used database system

**Executive Director and Cofounder**

Provincetown Tennessee Williams Theater Festival



ASP.NET Developer 3.5



- .NET Framework 3.5, ADO.NET Applications
- .NET Framework 3.5, ASP.NET Applications
- .NET Framework 3.5, Windows Forms Applications
- .NET Framework 3.5, Windows Presentation Foundation Applications

## **References Furnished Upon Request**

### **Skill Set Matrix**

<b>Skill</b>	<b>Started</b>	<b>Most Recent</b>	<b>Total Years</b>	<b>Proficiency</b>
<b>Database</b>				
Oracle /PL/SQL 8-11	1996	2012	15	*****
Sql Server 2005-2008/ TSQL	1998	2020	21	*****
Sql Server SSIS	2002	2012	8	***
SqlServer SSRS	2002	2020	10	***
SqlServer SSAS	2002	2012	8	***
MySQL	2004	2015	13	*****
PostGreSQL	2001	2020	10	*****
<b>Languages</b>				
C # 1-9	2000	2020	20	*****
Angular/ Typescript	2016	2020	4	*****
JAVA	1996	2005	8	***
JavaScript/JSON	2002	2020	18	*****
jQuery	2002	2018	16	*****
Delphi	1990	2005	15	*****
C++	1990	2002	8	****
Html	2000	2020	19	*****
CSS/ SCSS	2000	2020	19	*****

LINQ	2006	2020	13	*****
R	2018	2020	2	***
<b>ORM</b>				
Entity Framework & Core	2009	2020	9	*****
NHibernate	2007	2010	2	***
LINQ to Sql/Object	2007	2018	11	*****
<b>Technologies</b>				
Docker Containers	2017	2020	3	****
Docker-compose	2017	2020	3	****
WCF	2002	2020	16	*****
WPF	2005	2018	12	****
ASP.NET	2000	2018	17	*****
Windows Forms	1990	2016	>20	*****
Silverlight	2008	2011	2	***
<b>Platforms</b>				
.Net	2000	2020	18	*****
.Net Core	2016	2020	4	*****
Azure Cloud	2014	2018	4	****
Android	2008	2011	2	***
iPhone	2008	2016	6	**
Web - IIS	2000	2018	17	****
<b>Architecture</b>				
Object Oriented (OOP)	1990	2020	>20	*****
Aspect Oriented (AOP)	2007	2020	12	****
Dependency Injection	2007	2020	13	*****
.Net Core Plugins	2019	2020	1	****
Angular Plugins	2019	2020	1	****
ASP.NET MVC 2-3...	2007	2018	11	*****
JavaScript Namespaces	2008	2018	10	*****
Model-View-View Model(MVVM)	2007	2018	8	****
Blockchain	2016	2018	2	***
<b>Tools</b>				
Visual Studio 2005-2019	2000	2020	>=20	*****
Eclipse	2007	2012	3	***
<b>Third Party Controls</b>				
Telerik(Kendro)	2008	2014	5	*****
Syncfusion	2009	2010	1	***
jQuery Plugins	2002	2018	15	*****
jQuery Widgets	2009	2018	10	****

<b>IoC</b>				
Mock	2007	2018	7	****
<b>Project Management</b>				
JIRA	2014	2020	6	*****
Agile	2002	2020	18	*****
RAD	1995	2020	17	*****

Microsoft PP	1990	2018	>15	*****
TFS	2004	2018	14	*****
Agile-Scrumworks	2006	2010	4	*****
Agile-OnTime	2006	2012	5	****
<b>TDD</b>				
NUnit	2006	2009	3	****
MSTest	2008	2018	10	*****
<b>Ecommerce</b>	2002	2012	5	*****
Authorize.Net (CIM,SIM,AIM)	2010	2012	2	*****
UCommerce	2011	2012	1	****
Red-Fin	2007	2011	2	*****
<b>Mathematics</b>				
Linear Algebra	1992	2019	>15	*****
Statistics	1992	2019	>15	****



