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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 . A skill set matrix is attached to the end of the resume.

Current Residence: San Diego, CA

Technologies

- **C#, .Net Core, .Net Framework, Parallel Processing, Dependency Injection,**
- **AWS, Azure – AWS Certified Developer Associate – request access to cert**
- **Docker, docker-compose**
- **Angular, TypeScript, SCSS, WPF, HTML, JavaScript, jQuery, LINQ, JSON**
- **REST, GraphGL, gRPC, protobuf**
- **.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, **PostGreSQL8 -12**, **Database Design**
- **Agile and RAD Methodologies** – tools TFS, Scrumworks, JIRA
- **Interface design, WEB Design, UML**
- **WEB and WCF Services; SaaS and SOA**
- **Postman, Swagger**
- **Version Control – GitHub, GitExtensions, SVN and others**
- Facebook Graph API, Twitter API
- Microsoft Transcript = www.microsoft.com/learning/mcp/transcripts
  ID= 894160 PWD = scooter12

- **Bilingual – French and English**

Architect/ Senior Developer
Carecraft, Inc (8/2021-present)
Commercial ecommerce site on AWS and with a custom workflow application in house.
Mobile Application. ACH/EDI services.

Senior Developer
Inovio Pharmaceuticals, Inc (7/2020 – 8/2021) – MVC application
which generated protobuf multi-message files to be read by vaccine
augmentation device. Azure Cloud deployment

Senior Developer
Hologic, Inc (2018-5/2020) – 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. AWS Cloud

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 wining 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 (2003-2005) - Social Media Management
> App, HTML Helpers, WCF REST, WCF API, JavaScript/ jQuery
> w/
> Namespaces Stored Procedures, N-tier with POCO and

Experience

custom mapper and modeling, LINQ to Object

Senior Developer
Kurrenci.COM (2003) – virtual currency system
ASP.NET, WCF and RESTful API, jQuery/JavaScript, interface to
Authorize.Net, SQL Server, Stored Procedures, LINQ to SQL

Chief Consultant
Core Computer Group, Inc, (1995 2011) 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 (1995-2011)

National Center for Statistic al 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) (2003-2005)
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) (2001-2005)
Technologies – Delphi transitioned to Visual Studio 2003, Delphi to C#, Oracle, and XML

Chief Designer, Technical Lead
Field Notification System (FSN) (2003-2004)
Technologies – Visual Studio 2003, Oracle, XML

Chief Designer, Technical Lead
Passenger Van Study
Technologies – Delphi, Oracle, XML Application

Chief Designer, Technical Lead and Project Manager Special Crash Investigation Management Information System (SCIMIS) (2000-2002)
Technologies – Delphi, Oracle, and XML

Chief Designer, Technical Lead and Project Manager
Injury Research Engineering Network (CIREN) (1997-2005)
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 (1998-2004)
Technologies – Delphi transitioned to Visual Studio 2003, Delphi to C#, Oracle, and XML

Chief Designer, Technical Lead
National Automotive Sampling System (NASS) (1996-2004)
Technologies – Delphi, Oracle, and XML

Experience

Developer

Collateral Asset Management System with Workflow Engine – Fleet Bank (1995-1996

Designer and Develop
NY Worker's Compensation Provider Electronic System (1995)

Developer and Designer

Miami/ Dade County Toll Bridge collection and monitoring system (1993-1995)

TRIMI, Stone Ridge, NY.

President
SOFTData, Ltd, (1998-1993) Kingston,NY

Vice President of Research & Development (1986-1988
Time Management Inc, NYC, NY

Chief, Neuropharmacology Division (1984-1986)
Ives Laboratories, NYC, NY

Private Medical Practice, NYC, NY (1980-1984)

Experience
Education

- *Continuing Education in Computer Science and Program m Management – details upon request(1987-Present)*

- **New York University**, Courant Institute, NYC, NY
  Diploma in Computer Science (1986-1988)

- *Chief Resident, Neurology (1979-1980)*
  New York Hospital Cornell Medical Center Sloan-Kettering Cancer Institute, NYC, NY

- *Associate Physician (1979-1980)*
  Rockefeller University, NYC, NY

- *Neurology Residency (1977-1979)*
  New York Hospital Cornell Medical Center Sloan-Kettering Cancer Institute, NYC, NY
- *Medical Residency (1975-1977)*
  New England Medical Center, Boston, MA

- **University of Illinois**, Medical Center, (1972-1975)
  MD – James Scholar, PHD – Neuroimmunology

- **University of Illinois**, Chicago, IL (1970-1972)
  BSc, Cum Laude, Honors and Distinction in Mathematics

- **McGill University,** Montreal, Quebec, Canada
  (1964-1967)
  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

Boston Living Center - Donor/ Client mix used database system

Executive Director and Cofounder
Provincetown Tennessee Williams Theater Festival

References Furnished Upon Request

Skill Set Matrix

Skill	Started	Most Recent	Total Years	Proficiency
Database				
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	*****
Languages				
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	*****

aws certified

Developer

Associate

LINQ	2006	2020	13	*****
R	2018	2020	2	***
ORM				
Entity Framework & Core	2009	2020	9	*****
NHibernate	2007	2010	2	***
LINQ to Sql/Object	2007	2018	11	*****
Technologies				
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	***
Platforms				
.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	****
Clouds				
AWS	2016	2021	4	****
Azure	2012	2021	4	***
Architecture				
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	***
Tools				
Visual Studio 2005-2019	2000	2020	>=20	*****
Eclipse	2007	2012	3	***
Third Party Controls				

Telerik(Kendro)	2008	2014	5	*****
Syncfusion	2009	2010	1	***
jQuery Plugins	2002	2020	15	*****
jQuery Widgets	2009	2020	10	****
IoC				
Mock	2007	2018	7	****
Project Management				
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	****
TDD				
NUnit	2006	2009	3	****
MSTest	2008	2018	10	*****
Ecommerce	2002	2012	5	*****
Authorize.Net (CIM,SIM,AIM)	2010	2012	2	*****
UCommerce	2011	2012	1	****
Red-Fin	2007	2011	2	*****
Mathematics				
Linear Algebra	1992	2019	>15	*****
Statistics	1992	2019	>15	****