Michael A. Silver

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Driven, Experienced & Pragmatic Software Engineer

SUMMARY

I'm a highly varied software engineer who loves solving problems and improving efficiently. The harder the problem, the more enjoyable the task. Customer satisfaction is my highest reward and working with others and fostering an environment of productivity and cohesion is a close second.

WORK EXPERIENCE

Sagepath / Reply
November 2021 to
current
(Remote)

Lead Software Engineer — Atlanta, GA

- Maintain, update and rollout publically facing websites for large corporate clients.
- Work with an internal team and the customer, to develop specifications and project plans for small and large projects.
- Most websites are hosted in **Azure** and use **Episerver**, **Kentico**, **Umbraco** or **Sitecore** as their **CMS** with numerous other **javascript** frameworks, such as **Vue.js**, **jQuery**, **Bootstrap**, etc.
- Helped stabilize a few clients after developers left or the existing developers were overwhelmed.
- Fast moving environment requires working with three project managers at once and being able to close out tasks quickly, based on ever changing priorities and tight deadlines.
- Responsible for resolving **ADA** issues.

Wolters Kluwer
May 2018 to
November 2021
(Remote)

Senior Product Software Engineer — Kennesaw, GA

- Managed different teams of programmers sometimes across time zones.
- Primarily worked in the Electronic Filing Center (EFC). Responsible for a large Oracle **message queue** based back end, processing millions of tax returns every year via custom written **micro services** using **XML** and **JSON**.
- Team was responsible for numerous additional products, including customer facing web applications, written in **ASP.NET**, mostly with **.NET Core**, but also console apps, libraries and **SOAP** and **REST web APIs**, some hosted on **Azure**.
- Security advocate for team. Attended training seminars and have responsibility for scanning and remediation planning for dozens of products for **security, license and operational risks** and reported our security exposure and progress to our Vice President.

NCR Corporation
May 2010 to May 2018
(Remote)

Professional Services Manager — Rome, GA / Bentonville, AR

- Designed, developed and maintained **network protocol** software to manage over 56,000 retail self checkout machines and 700,000 additional devices at the largest retailer in the world in **C#** and **Delphi.**
- Designed and implemented complex **communication** and **queuing** software.
- Converted highly complex back end from **Delphi** to **C#**, including **threaded** code, raw **socket communication**, **encryption** and **compression**. Made extensive use of **unit testing**.
- Maintained seven different web sites and a windows application used by numerous internal teams including support staff and over 2,000 on-site Customer Engineers.
- Introduced a standardized work flow, including **Git**, **code reviews**, task management, etc.

Wolters Kluwer
Jun 2002 to May 2010

Senior Level Developer   Rome, GA

- Worked on commercial tax preparation software for professional tax preparers.
- Began conversion of tax product from **Delphi** to **C#**.
- Converted back end processing code from **Delphi** to **C#** and legacy communications protocols to **web services** using **WCF** as well as **NHibernate** and **Oracle Advanced Queues** and a large **Oracle** database.
- Responsible for mentoring junior level programmers and performing **design** and **code reviews**.
- Wrote and maintained an early web version of the product using **VB.NET**, and **Silverlight**.

Freelance Consultant
May 1994 to current

Owner/Consultant   Columbia, SC & Rome, GA

- Write algorithmic trading bots in **C#** that analyze the index futures markets in real-time and make automated trading decisions based on probabilities and **machine learning**.
- Wrote agent and **web service** to inventory and download concert tickets from the largest online ticket provider using **Node.js**, **Python**, **MongoDB** and **PostgreSQL** on Linux virtual machines created with **Vagrant**, running in **VirtualBox**.
- Wrote SSL encrypted website to track community tennis matches using **ASP.NET MVC**, **Amazon S3**, and **PostgreSQL**. Allowed for end user score entry and automated rankings.
- Created food and nutrition web site using **ASP.NET Core**, **PostgreSQL** and **Dapper** running on **Linux**.
- Wrote, from scratch, a windows application for an Employee Assistance company to track their clients.
- Maintained several **WordPress** sites for family members.

Xpress Software
Jun 2001 to Mar 2002

Windows and Web Developer   Columbia, SC

- Developed object-oriented client/server commercial software for use by tax professionals in **Delphi** and using **Interbase** as the database..
- Developed web site based on the same set of business classes, greatly reducing time-to-market.

EDUCATION

University of Georgia

- Bachelor of Arts, Psychology Major, August 1992.
- Dean's List Twice (Spring 1990, Summer 1991).
- Secretary and President of fraternity, 1990 & 1991.
- Numerous computer science classes.