

Michael A. Silver

Senior Software Engineer

Results-driven senior software engineer and manager with over 25 years of diverse experience focused on meeting project goals and reducing costs through practical software design and implementation.

Contact Information

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Work Experience



Wolters Kluwer

May 2018 to Current
Kennesaw, GA
Partially Remote

Senior Product Software Engineer

- Manage different teams of programmers on a per project basis.
- Primarily work on the Electronic Filing Center (EFC) team. Responsible for a large queue based back-end, distributed system, processing millions of tax returns every year.
- "Security Champion", responsible for scanning and remediation planning for dozens of products for security, license and operational risks and reporting our security exposure and progress to our Vice President.
- Team is responsible for numerous products, from customer facing web applications, to console apps, to libraries and web apis.
- **C# (including .NET Core), MVC, Docker, Oracle, Oracle Queues, Azure Service Bus, Azure DevOps, SQL Server, REST & gRPC, unit testing, code reviews, Seq, continuous integration**



NCR Corporation

May 2010 to May 2018
Rome, GA
100% Remote

Professional Services Manager

- Supervised remote programmers, including mentoring, code reviews and assignments of tasks.
- Designed, developed and maintained software to manage over 56,000 retail self checkout machines and 700,000 additional devices at the largest retailer in the world.
- 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 2000 onsite Customer Engineers.
- Introduced a standardized workflow, including Git, code reviews, task management, etc.
- **C#, Delphi, Git, Subversion, WebForms, MVC, code reviews.**



Wolters Kluwer

formerly
Universal Tax Systems
June 2002 to May 2010
Rome, GA

Senior Level Developer

- Worked on commercial tax preparation software product for professionals. Began conversion 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 queues.
- Responsible for mentoring junior level programmers and performing design and code reviews.
- **Delphi, C#, WCF, web services, Nhibernate, Oracle Queues.**



Self-Employed

May 1994 to current
Rome, GA

Consultant

- 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**.

Education



University of Georgia

Bachelor of Arts in Psychology, 1992

Additional work experience and references available upon request