

# Mike Drew

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## **Tools and Technologies:**

C#/.Net, .net core, SQL, Javascript, JQuery, HTML, CSS, Bootstrap, C++, Node.JS, XUnit, Moq  
Azure DevOps, Azure Services

Svn, Git, Jenkins

Windows, Linux (Arch, Ubuntu), Docker

Visual Studio, vi, Visual Studio Code

DNN (DotNetNuke), Blockchain, Agile

## **Education:**

BS Computer Science, Sonoma State University 2007

## **Experience:**

### **Senior Developer - Softpro, Raleigh NC (2017 - Present)**

SoftPro develops software for the real estate industry. As a developer at SoftPro I have worked on all aspects of the software development process: from designing and implementing features to diagnosing and fixing production issues. I have also acted in a leadership capacity: ensuring correct software development practices and mentoring other developers.

- Refactored a complex process utilizing .net parallelization and SQL database optimizations to increase the reliability and decrease the amount of time needed to perform transaction clearing tasks.
- Implemented a background operations feature based on the CQRS pattern in C# and SQL. This feature reduced the server load and processing times of near time operations such as updating search tables and sending emails.
- Implemented a database installation and upgrade system for SQL databases. The system eliminated a manual process used to update databases and resulted in faster and more accurate deployments
- Implemented a .net core based application that serves as a RESTful API. As part of this project a large focus was placed on implementing XUnit and Moq based tests and incorporated those tests as part of the CI pipeline.

### **Developer / Owner / and more - OPTi, LLC, Raleigh NC (2012 - 2017)**

OPTi, LLC is an entrepreneurial endeavor started by myself and two partners. We started OPTi to develop an on-premise web portal (based on DotNetNuke) to be used by construction companies as a means to interact with data from their accounting and project management systems. The web portal also provides a platform to collect and expose data from employees, subcontractors, and customers.

- Developed a web based lot tracking system for use by a custom home builder. The web application itself was written in C#/ASP.Net. The backend utilized a MS-SQL database that combined data from project management, sales, and accounting systems. The lot tracking web app replaced a manual spreadsheet process and allowed the home builder to track lots more accurately and efficiently, as well as improve communication between departments.
- Developed a Daily Work Report (DWR) Chrome App to collect job site data including crew timesheets. DWR data is received by a RESTful web service, and stored in a MS SQL database. The DWR app replaces paper based processes, enabling more efficient payroll and project management workflows.
- Developed an on-premise IOS (Phonegap) app for general contractors to collect safety and quality building inspection data.
- Maintained company operations: bookkeeping, payroll, legal, etc.

### **Developer - Conserv Building Services, Raleigh NC (2010 - 2012)**

- Maintain and support DFS, a C#/.Net application used to dispatch and submit work orders.

### **Developer - NetIQ, Raleigh NC (2007 - 2010)**

- Team member on a project to create an AppManager module to monitor a Nortel CS2100 PBX system.
- Lead developer on a project to create an AppManager module to monitor Microsoft Sharepoint 2007 servers, successfully drove the failing project to a successful completion.
- Lead developer on a project to update the SharePoint 2007 AppManager module to monitor SharePoint 2010 servers.

### **Network Student Assistant - Sonoma State University, Rohnert Park CA (2003-2007)**

- Assist analysts with the day-to-day operation of the data and telephone networks.