Thomas L Thornton Jr.
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Software Developer

PROFILE

I am a software developer with experience in a variety of languages and paradigms. Over the years, I have spent the vast majority of my time learning the latest software design best practices and technologies. I have a passion for delivering high-quality software that customers love.

Circle K, Tempe, AZ   01/2013 – 04/2013

- Build enterprise web applications
- .NET 4.5 / C# /ASP.NET MVC 4
- Javascript
- jQuery
- jQuery Validation
- Knockout.js
- Knockout mapping
- AJAX
- Jasmine
- MSSQL Server
- SQL Server Management Studio
- Stored Procedures
- Visual Studio

Logos Bible Software, Tempe, AZ   03/2012 - 12/2012

- Develop desktop applications for Windows and Mac
- Application development completed on the .NET framework with C#, WPF and MVVM pattern.
- Develop custom WPF controls
- Animation with WPF
- Used asynchronous model for constructing user interface
- Source control via Git
- Extensive unit testing using Nunit
- Practiced continuous integration with both Cruise Control and Jenkins
- Use Mono to enable shared code for Windows and Mac version
- SQLite used for databases included with application
- Custom data layer for data access via embedded SQL statements
- Visual Studio 2012

Intel Corporation, Chandler, AZ   04/2007 - 03/2012
- Worked in the Yield Engineering & Analysis group
- Develop desktop application built with C#, WPF, WCF services with SQL server and Oracle data stores.
- Agile development environment with SCRUM
- Develop custom WPF user controls
- Leverage Infragistics controls for user interface
- Develop WCF services responsible for extracting, transforming and analyzing data.
- Develop WCF services for user management
- MSSQL Server databases for data storage
- Develop custom data layer using embedded SQL
- Use SQL Server Management Studio for developing SQL
- NUnit used for unit testing
- Moq used for creating mocks for unit testing
- Collect large volumes of test data from various manufacturing process
- Aggregating and transforming data into an appropriate state for analysis
- Analyzing data using a variety of statistical methods
- Wrote custom algorithm for performing Pearson Chi-Square tests
- Visual displays included, trend charts, scatter plots, Pareto charts and stacked bar charts.
- Handled issues involving caching of data, managing data latency issues and caching results of data analysis.
- Develop algorithm for detecting trends in yield data.
- Develop release website in ASP.NET MVC 3 and MongoDb.
- Develop administrative website for our desktop application, also in ASP.NET MVC 3 and MongoDb.
- Develop ASP.NET web application for contract worker management
- Utilize jQuery for web based user interface improvements
- Develop plugins for EMC Documentum WebTop applications in Java
- Develop Java and XML command line applications for administrative purposes
- Team Foundation Server used for source control
- TeamCity used for continuous integration

JPMorgan Chase Bank, Chandler, AZ   04/2005- 04-2007
Personal Banker/Financial Planner – Licensed Series 6/ 63

PERSONAL EXPERIENCE
Wish   Under development
Personal, Open Source Side Project
Wish is a command line interface for the Microsoft Windows operating system. It features syntax highlighting, tabs/ panes and command, argument and directory histories.
Application built on the .NET framework with C#, WPF, Prism and MEF.

EDUCATION

Arizona State University
      Bachelor's Degree in Computer Science

Broome Community College
      Associates Degree in Liberal Arts

References Available Upon Request