

MATTHEW L. RENZE

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Objective

To secure career employment as a software developer that will allow me to use my knowledge of computer science and data analysis to create software in a team environment.

Professional Experience

QCI

Des Moines, IA

Software Consultant (2011-Present)

- Developed a global seed field data management system for DuPont-Pioneer
- Created various ETL packages, reports, and systems integrations
- Worked in a multi-team Agile/Scrum environment

Quality Attribute Software

Ames, IA

Senior Software Developer (2008-2011)

- Developed a data warehouse ETL application for energy data used by over 100 organizations
- Created various REST, WCF, WS-*, and HTTP web services
- Performed data analysis, data visualization, and time series analysis

The Schneider Corporation

Ames, IA

Senior GIS Software Developer (2000-2008)

- Developed a web-based GIS data warehouse application used by over 180 counties in the US
- Created desktop, server, and web-based GIS applications
- Maintained network infrastructure and internal information systems

Best Buy Co., Inc.

West Des Moines, IA

Technical Services Trainer (1999-2000)

District Technical Services Lead (1998-1999)

Service Technician (1996-1998)

Education

Iowa State University of Science and Technology

Ames, IA

Bachelor of Science in Computer Science (2011)

Bachelor of Arts in Philosophy

Minor in Economics

Focus on Artificial Intelligence and Machine Learning

3.58 / 4.0 GPA (Cumulative)

Des Moines Area Community College (DMACC)

Ankeny, IA

Associate of Science in Management Information Systems (2004)

Associate of Science in Business Administration (2006)

Associate of Arts in Liberal Arts (2007)

Software Experience

Languages:

- *General Purpose:* C#, C++, Java, VB.NET, JavaScript, and COBOL
- *Domain Specific:* R, T-SQL, XML, HTML 5, CSS 3, RegEx, MDX, XPath, and XQuery
- *Academic:* LISP, Scheme, MIPS Assembler, and Pascal

Frameworks:

- *Desktop UI:* WPF, WinForms 2.0, Swing, GDI+, and DirectX
- *Web Presentation:* ASP.NET MVC, WebForms, AJAX, and Classic ASP
- *Web Service:* WCF REST, WCF SOAP, WS-*, and HTTP
- *Data Access:* ADO.NET, OLE DB, ODBC, JDBC, ADO, and RDO
- *Persistence:* Entity Framework, NHibernate, and LINQ-to-SQL
- *Continuous Integration:* Cruise Control and Team Foundation Server
- *Unit Testing/Code Coverage:* NUnit, JUnit, and NCover

Desktop Applications

- *IDEs:* Visual Studio 2012, SQL Server BI Studio 2012, Eclipse, and NetBeans
- *Development Tools:* ReSharper, Subversion, Tortoise SVN, and Ankh
- *Data Mining Tools:* SQL Server Analysis Services, RapidMiner, and Weka
- *Reporting Tools:* SQL Server Reporting Services and Crystal Reports
- *GIS Applications:* ESRI ArcGIS Desktop 9 and Microsoft Map Point 2010

Server Applications

- *Database Servers:* Microsoft SQL Server 2012, SSIS, SSAS, and Oracle 8
- *Web Servers:* IIS 7.0, Apache, and Exchange Server 2000
- *GIS Servers:* ESRI ArcGIS Server 9, ArcIMS 9, and ArcSDE 9
- *Web GIS APIs:* Google Maps API and Microsoft Virtual Earth API

Control Systems

- *Industry Protocols:* BACnet, oBIX, OPC DA/XML, and Modbus
- *Vendor Specific:* JCI Metasys, ALC WebCTRL, Campbell Scientific, and HOBOLink

Certification and Training

- Certified Professional Scrum Master (PSM I) – Scrum.org
- ArcGIS Server Development – ESRI, Redlands, CA
- ArcSDE Administration for SQL Server – ESRI, Redlands, CA
- Introduction to ArcView GIS – ProMap Corporation, Ames, IA
- A+ Certification Course – DMACC, Ankeny, IA

Honors

- Graduated from ISU with distinction (Cum Laude)
- Made Dean's List during all eligible semesters at ISU (2004, 2005, and 2006)
- Accepted into the Upsilon Pi Epsilon Honor Society for the Computing Sciences
- Received the 2007 Socrates Award for best undergraduate Philosophy paper

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