

# MARK D RUSHTON, PMP

## Education

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Master of Science in Systems Engineering <i>Missouri S&amp;T - 2010</i>	Rolla, MO
Graduate Certificate in Systems Engineering <i>Missouri S&amp;T - 2009</i>	Rolla, MO
Bachelor of Science in Mathematics/Computer Science <i>Missouri State University - 2004</i>	Springfield, MO

## Certifications and Training

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PMI - Project Management Professional (PMP)  
Six Sigma Green Belt  
8D Problem Solving

## Work Experience

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Watts Radiant (2/07 – Present) Springfield, MO

Engineering Manager / Programmer Analyst

- Manage customer service team of 9 people including: application support, order entry, software development, and marketing video production
- Manage complex software projects spanning multiple departments, sister companies, and 3rd party vendors
- Manage schedules and deliverables using MS Project and Excel
- Technical Lead on 2 proprietary heat load and project estimation software packages ensuring customer satisfaction, SOX compliance, accurate calculations, and stable designs (C#, XML, Subversion)
- Developed and deployed an internal paperless ticketing system saving \$1500 in printing and 900 labor hours annually (PHP, WAMP, MySQL)
- Researched and deployed a CRM system for the Watts Radiant division
- Deployed an internal Wiki as a central repository for technical information (MediaWIKI, WAMP, MySQL)
- Customized CRM to allow for tracking of call types, duration, and frequency which provided the ability to compile quantifiable reports
- Initiated an online bulletin board system to allow customers to directly interact with designers and technical sales staff
- Compose and post blogs and Twitter updates with current company and industry information
- Worked on a team customizing an ERP (QAD) to allow printing to proprietary auto-bagging machines
- Lead UI design team for touch-screen thermostats
- Work and coordinate with 3rd party clients that provide solutions and development to augment the designers

## **Work Experience (cont.)**

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Robert Half Technology (10/06 - 2/07)

Overland Park, KS

IT Recruiter

- Recruit professionals in all aspects of Information Technology
- Manage accounts and interview clients
- Work closely with team members on sales, placements, and wage negotiations
- Manage a multitude of simultaneous tasks, phone calls, and appointments

EDS (8/06 – 10/06)

Overland Park, KS

Contract Software Developer

- Develop macros using C, C++, .NET, Oracle, and SQL
- Porting assembly information between steel detailing software packages
- Involvement in complete software development process
- CMMI Level III compliant documentation
- Web conferencing, net meetings, software team meetings
- Stored procedures, triggers, table creation, queries, SQL Station

Watts Radiant (2/04 – 5/06)

Springfield, MO

Software Developer

- Develop heat-loss and project estimation software with 2000+ users
- Created automated circuit routing program – reduced layout time by 40%
- Developed two AutoLISP scripts that reduced quoting time by 25%
- GUI WinForms in GDI+ and C#
- Debugging of previous software packages in VB, VB.NET
- Integration of Flash movies into WinForms
- Online registration scripts using PHP and MySQL
- .NET deployment of software, .msi, bootstrap installer
- Authoring user manuals, test scripts, and FAQs

DC Construction (2002 – 2006)

Springfield, MO

Drafter / Designer (Part Time)

- Drafting Structurally Insulated Panel houses using AutoCAD
- Design flyers and other marketing material

Black and Veatch (1998 – 2001)

Overland Park, KS

Intern / Programmer

- Design, test, and deploy macros in C++ for power plant design software
- Use AutoCAD to create icons for macros

## **Technology Proficiencies**

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Visual Studio 2010, C#, .NET 4, WinForms, XAML, ASP.NET, SQL Server, MySQL, Linq, VB.NET, Microsoft Expression Blend, Silverlight, Flex, ActionScript 3, Microsoft Office, Microsoft Project, Visio, Flex Builder, Eclipse, Flash, Linq, Oracle, AutoCAD, PHP, Photoshop, Java, Unix, Windows 7/ Vista/XP, Open Office, Final Cut Pro, Sony Vegas Pro, Subversion