Contact

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www.linkedin.com/in/msebolt
(LinkedIn)
github.com/msebolt (Company)
twitter.com/msebolt (Blog)
github.com/nfnth (Personal)

Top Skills

Linux

Git

Python (Programming Language)

Languages

English (Native or Bilingual)

Certifications

MTA - Software Development

MTA - Database Fundamentals

Honors-Awards

National Merit Scholar

Matthew Sebolt

Programmer Writer
Greater Seattle Area

Summary

I have 15 years experience managing applications development,
systems architectural design, and writing technical documentation.
My experience also includes server management, network
programming, and coding SPAs.

Experience

Microsoft
Programmer Writer
August 2017 - Present (4 years 7 months)
Redmond, WA

(Aquent)
• Create, review, and edit documents and articles to support key aspects of
Microsoft Azure's IoT suite with articles and tutorials on how to develop and
code for Microsoft Azure's IoT
• Program devices to connect applications using Azure's IoT Hub configuring
security per TPM and X.509 certificate standards using Azure's IoT Device
Provisioning Service and the OpenSSL library on the Azure IoT Edge platform
• Program code samples for use in Azure development using Ubuntu Server
16.04 LTS, storage containers, and the IoT suite including Hub, Service Bus,
Stream Analytics, and Machine Learning
• Develop with Microsoft C# using tools including Visual Studio and .NET
core, Java 8 using automated build management in Maven, Node.js and NPM
reference contributions
• ANSI C (C99) and CMake with Python wrappers in Boost
• Use various tools and chipsets including Docker, PuTTY, Splunk, WireShark,
and Raspberry Pi
• Train colleagues on the Microsoft Docs contribution process to use Git
source versioning with GitHub workflow management, Microsoft Docs
standards and guidelines, and Markdown syntax

QuoteWizard
Applications Developer
January 2016 - July 2017 (1 year 7 months)

• Lead development on client billing and automate corporate statement cycle to process

annual revenue (NodeJS/Angular.JS)

• Assign modular site revisioning tasks (PowerShell/C#/D3 with PowerBI) to enhance user experience

• Manage build/test/deployments (SVN/GIT/Jira/Confluence) to client site (ASP.net

MVC/DynamicsCRM) for customer use

• Design financial data models (T-SQL) around business workflows (SQL Server/SSIS) for use in

audits, cloud migration (Azure), and mobile expense-tracking applications (Concur)

• Maintain PCI compliant web services (SOAP/WCF) for credit card processes (Auth.NET)

• Upgraded web service security (SOAP/WCF) for credit card processing (Auth.NET)

University of Michigan
Systems Applications Programmer
November 2009 - December 2015 (6 years 2 months)
Ann Arbor, MI

DIVISION OF PLANT OPERATIONS, PAYROLL AND WORK MANAGEMENT

• Administer server instances (RedHat Linux/Oracle/Tomcat, Windows/SQL Server/IIS) for payroll

processes and work management systems used by 400+ employees campus wide

• Lead service development to connect open-source end points (Java/P-SQL/JAX-RS) to Microsoft UI

(WebAPI) to handle 200+ maintenance requests and processing 1000+ timecard entries daily

• Transition Microsoft Office systems (Active Directory/Sharepoint/Outlook) to a shared-service model

(Google API) wit sehrvice calls (REST/OAuth/PHP) for 20+ colleagues

• Design financial ledgers (jQuery/AJAX/WebSocket) to asynchronously process 100+ daily expenses

• Conduct monthly user training sessions for new hires and mentored junior developers on application

design methodologies (factory interface, abstract base, service locator pattern)•

Create Windows task bar application (C++/Win32) for departmental time-off notifications

INFORMATION AND TECHNOLOGY SERVICES, DONATIONS
• Create components (jQuery/Angular JS), web handlers (ASHX), and memory models (memcached)
to process alumni donation batches of ~500M annual and reports (SSRS/ Tableau)
• Build class libraries (C#) to extend client application functionality
• Maintain sensitive alumni using secure data end-points (WCF/SOAP)
• Manage weekly release cycle (shell/msbuild/Jenkins) and source versioning (TFS/GIT/Jira/Confluence/NLog/NUnit) across multiple environments (Windows/Linux/AWS)
• Lead development on test harness (Node.js/Selenium) to perform system validations and metrics
• Migrate Chase 200+ daily transaction feeds (AIX/Linux) using key-pair authentication (SFTP) for the Ford Presidential Library and various university organizations

UNIVERSITY HOSPITAL, DEPARTMENT OF FINANCE
• Develop financial data models (Oracle BI/TOAD) on ~400M revenue in patient care services
• Create executive summaries on hospital earnings on ~1.5M patient visits (BIRT)

Halo Group
Software Developer
January 2006 - September 2009 (3 years 9 months)
Novi, MI

• Support technology stacks at various mid-sized companies in the Detroit area
• Assist with insurance regulations in the Toledo area
• Maintain insurance compliance in the Brighton area

Valassis
IT Systems Consultant
January 2005 - January 2006 (1 year 1 month)
Livonia, Michigan

• Automate file processing (SFTP) via scheduler (Windows service) on financial claims data

• Manage employee time tracking (XML/XSL/XPATH/T-SQL) for 400+
employees

Dow Chemical Company
Informatics Developer
April 2004 - December 2004 (9 months)
Midland, MI

• Program batch processes (ASP.net) using plate reader analysis software
(Symx)
• Develop data analysis applications (VB.net) to apply statistical means on
experimental data

Pfizer
Intern / Informatics Support
June 2002 - June 2003 (1 year 1 month)
Ann Arbor, MI

• Maintain 10+ department sites (LAMP) and develop modules (Drupal) for
200+ colleagues
• Assist regulatory FDA compliance to provide documentation support
(Documentum) and build
reporting tools (ASP.net/LaTex/PDF)

Education

University of Michigan
Bachelor's degree, Computer Science