RONALD ALLEN RUSH, JR.

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SENIOR SOFTWARE ENGINEER
Produces agile, cost-effective software architecture and implementations

Designs software solutions to solve and anticipate customer needs. Follows up with high quality, cost and schedule effective implementations. Prioritizes tasks to produce the most important feature set of highest quality within schedule constraints. Multi-tasks to complete current assignments while also helping with one-off and support requests. Self-starter working with teams both face-to-face and as a remote employee.

- Specializing in Microsoft .Net frameworks and related technologies
- Application development using C#.Net, VB.Net, Windows forms and WPF
- Full-stack web development using C#.Net, ASP MVC, JavaScript, jQuery, JSON, HTML
- Web service development using WCF and SAML 1.1+
- Windows service development using C#.Net
- DB development and maintenance in replicated MS-SQL environment using Linq-to-SQL and stored procedures

TECHNICAL SKILLS

Development:	Standalone and Client / Server Applications, Web Applications, Web Services, Windows Services
Languages:	C#.Net, VB.Net, JavaScript, VB6, C++, x86 Assembler
Platforms:	.Net 4.x, ASP.Net MVC, WCF, WPF, Azure, DICOM
Web:	HTML, XML, XSLT, JavaScript, jQuery, JSON, AJAX, Razor
Database:	Microsoft SQL Server, Linq-to-SQL, SQL Enterprise Manager, Linux sqlplus, SQL Anywhere
Methodologies:	Agile development, SCRUM, SOA
Tools:	MS Visual Studio & Team System, Subversion, TortoiseSVN, Jenkins, NANT, SourceSafe, SourceOffSite, PVCS
OS:	Microsoft Windows 10 / 8 / NT, Linux and MS-DOS

PROFESSIONAL EXPERIENCE

IBM WATSON HEALTH, Hartland, WI / Toronto, Canada   **2016 – 2017**
IBM acquired Merge Healthcare to add cognitive insight analysis to existing medical imaging repositories and products.
Senior Software Developer (Remote)
iConnect Cloud Archive Image Sharing (2016 – 2017)
Senior team member and developer for re-branded medical image sharing website. Site supported 2M+ medical images stored, viewed and shared by 2K+ users and groups.
- Enhanced mirrored website including web application (ASP.Net MVC), web services (WCF), windows services (C#) and replicated database (SQL Server) providing more up-time for customers.
- Added advanced billing report generation and tools (WPF) leading to more accurate billing and revenue.
- Assisted support organization as site went live and grew improving external and internal customer productivity.
- Added custom reports to separate offering for key customer ensuring customer retention.

MERGE HEALTHCARE, Hartland, WI / Toronto, Canada   **2010 – 2016**
Operates cloud-based data sharing hub including clinical, research, and social data from various health sources offering solutions for doctors, researchers, insurers, and patients. Acquired DocuSys startup.
Senior Software Developer (Remote)
Merge Honeycomb Cloud Image Sharing (2012 – 2016)
Part of new effort to provide collaborative cloud-based medical image sharing. Utilized ASP.NET MVC, JavaScript, jQuery, AJAX and other web technologies for website development.
- Created social networking relationships between medical clinicians, groups, and patients making image sharing more familiar and easier for all end-users.
- Implemented dynamic and configurable notification system displaying detailed activity lists and sending email notifications to users and administrators enhancing ease-of-use and productivity.

Senior Software Developer (Remote)
Perioperative Anesthesia Information Systems (2010 – 2012)
- Supported customer transition and subsequent sun-setting of the acquired AIS product suite.

DOCUSYS, Mobile, AL **2000 – 2010**
Digital medical solutions company, designs and markets first Anesthesia Information System (AIS) to merge clinical information with automated intravenous medication management.
Senior Software Engineer (Remote)
Perioperative Anesthesia Information Systems
Architected and Implemented record-keeping software used by anesthesiologists in operating room, pre-op and post-op to ease documentation burden while improving patient safety.

- Recruited as one of the first developers / employees for this startup venture.
- Created software interfaces supporting proprietary DocuJect hardware by designing new algorithms for integrated camera and barcode reader to measure intravenous drug deliveries.
- Developed software interfaces for additional third-party hardware including physiologic monitors, gas flow meters, electronic drug carts and other devices reducing support costs when integrating new hardware on-site.
- Created customizable interfaces providing patient safety warnings to clinicians to eliminate or mitigate adverse medical events and increase product market value.
- Ported software (originally written in VB6) to VB .Net and C# .Net reducing maintenance costs and keeping code base current. Helped guide and implement development, build and source code control environment.
- Participated in investor, customer and trade show presentations to earn venture capital.
- Worked with partner companies integrating software and hardware offerings ensuring market penetration.

ADDITIONAL RELATED EXPERIENCE

NCR SERVER SYSTEMS DIVISION, Columbia, SC
Senior Software Engineer, Software Engineer

NCR PC DIVISION (AT&T Global Information Solutions), Liberty, SC
Software Engineer, Compatibility Tester

EDUCATION

Bachelor of Science (BS), Computer Engineering, Magna cum Laude
Clemson University, Clemson, SC

TRAINING

- The Design Patterns Workshop – Industrial Logic
- Microsoft Professional Developer's Conference – Multiple Years
- .Net Web Services Summit Training – Microsoft
- Transactional Programming with COM & MTS - Don Box (Developmentor)
- Guerrilla COM – Developmentor
- Software Engineering in C and C++ - University of Maryland through NTU
- Operating Systems: Concepts and Design - Graduate level course from Clemson University

AWARDS | RECOGNITIONS | PATENTS

Received corporate bonus incentive awards multiple years (IBM / Merge)
Received stock options and recognition for bringing a startup product to market (DocuSys)
Multiple R&D Awards from NCR / AT&T
Patent Issued: "Convertible Pointing Device for Laptop Computers" for NCR / AT&T

RELATED INTERESTS AND HOBBIES

Home automation software development with extensible interfaces for Insteon and X10 automated devices, Text-To-Speech and Speech recognition, weather station support, computer logging and task scheduling, as well as pool, sprinkler and thermostat management.