Profile

Experienced software (SW) engineer with management and technical knowledge in product development. Detail oriented with analytical problem-solving skills. Committed to creating and executing innovative solutions. Energetic and highly motivated with an ability to adapt well to challenges and changing environments.

Seeking an engaging, full-time position in engineering or program management. Available to relocate nationwide.

Fluent in English and Spanish; proficient in French; learning Mandarin Chinese. Willing to travel interntionally.

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|  Strategic program management, project scheduling, metrics analysis, progress tracking, and negotiation practices.   Scrum methodology (Agile SW development), process excellence, and continuous improvement realization. |  Quality assurance, automated SW build and test, hardware and SW integration in laboratory setting.   Microsoft products: Access, Excel, Outlook, PowerPoint, Project, Visio, Word, Visual Studio. |  Programming knowledge: AppleScript, C/C++, MATLAB, Python, Scheme, VBA, #Bash, Verilog, XML.   Rational ClearCase and ClearQuest, DOORS, Jenkins, PeopleSoft, SharePoint, VxWorks, Linux | Mac | Windows OS. |

Skills Summary

Relevant Professional Experience

BAE Systems, Inc. – Nashua, NH Jul 2008 – Present

***Senior Software Engineer****, Next Generation Airborne Electronic Attack* Jan 2012 – Present

* Oversee interaction of 20+ integrated, proprietary executables in development for SW integration and test.
* Validated 6 SW development builds; trained 5 new members and mentored 1 intern on SW team.
* Lead development of automated SW requirement verification via leveraged C++/XML application interface.
* Establish configuration management and maintenance of 25+ automated regression test cases.
* Architect test tool development, resulting in 50% time efficiency gain and capability for unattended processing.
* Supervise build management via Jenkins SW integration tool; fix, review, troubleshoot, and validate code.
* Synchronize multi-site SW integration efforts with remote development team based in Totowa, NJ.
* Institute Scrum process and revisions; successfully presented SW build and test process to customer.

***Software Test Lead / Manager****, Aircraft Survivability and Equipment* Jan 2010 – Dec 2011

* Directed verification of 800+ SW requirements and 12 SW test procedures for 50+ US and UK military aircraft.
* Oversaw successful deployment of 15+ SW builds and reconciled all customer requirement changes.
* Managed 7-person, multi-disciplinary team for 7 Formal Qualification Tests (FQTs) for US and UK customers.
* Improved test completion times by 25% through cross-training practices and schedule optimization.
* Coordinated software builds, hardware assets, and documentation releases for all test phases and events.
* Ensured test readiness between Program Management, Software/Systems/Hardware Engineering, Quality Assurance, Lab Management, and US Army/UK MoD customers. Led process audits.
* Produced and presented all FQT documentation to customers: Test Readiness Reports, Software Test Procedures, Test Schedules and Strategy, Test Incidents, and Software Test Reports (Post FQT).
* Performed quality analysis by prioritizing SW issues and organized resolutions with engineering team.
* Developed mitigation and regression plans to fully validate new SW implementation and operability.

***Engineering Leadership Development Program*** Jul 2008 – Jun 2011

* Graduated from a competitive, comprehensive 3-year technical rotational program with developmental leadership seminars and education in multi-disciplinary engineering and business.
* Completed graduate school curriculum in parallel with full-time work and extracurricular commitments.

Education

Worcester Polytechnic Institute **–** Worcester, MA May 2011

*Master of Science in Electrical & Computer Engineering* **GPA: 3.90**

Rensselaer Polytechnic Institute **–** Troy, NY May 2008

*Bachelor of Science in Computer & Systems Engineering* **GPA: 3.83**