Profile

Experienced software (SW) engineer looking to disrupt and revolutionize the NYC web development scene.

Skills Summary

 Prog. Lang: AppleScript, C / C++, HTML5 / CSS3, JavaScript, MATLAB, Python, Ruby / Rails, Scheme, Verilog

 Technical: Hardware / Software Integration | Multidisciplinary Engineering Design | Test Driven Development

 Management: Metrics Analysis | Negotiation | Project Management | Process Excellence | SCRUM Methodology

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|  Hire.Me   * CRM to track FIS hiring process. * Ruby on Rails web framework. * ActiveRecord DB modeling. * Responsive dashboard / views. * Authentication / authorization. * State machine implementation. |  NYC Street Sweep   * ASP notifications in NYC. * Sinatra web framework. * Persistance via sqlite3 DB. * Text/tweet cron scheduling. * Geocoding via Google Maps. * Deployment via Capistrano. |  Ruby Sifter   * Learn effective Ruby debugging. * Javascript development/routing. * Client side evaluation via REPL. * Emphasis on mentoring/teaching. * Pair programming proj. post FIS. * Open source module submission. |

Project Work

Relevant Professional Experience

BAE Systems, Inc. – Nashua, NH Jul 2008 – May 2013

***Senior Software Engineer****, Next Generation Airborne Electronic Attack* Jan 2012 – May 2013

* Oversaw 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.
* Led development of automated SW requirement verification via leveraged C++/XML application interface.
* Established configuration management and maintenance of 25+ automated regression test cases.
* Architected test tool development, resulting in 50% time savings and capability for unattended processing.
* Supervised build management via Jenkins SW integration tool; fix, review, troubleshoot, and validate code.
* Instituted 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.
* 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 / Immersive Programs

The Flatiron School **–** New York City, NY August 2013

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**