

BOEING SOFTWARE ENGINEER I

Summary

Interesting in Software Engineering Software engineering internship with Boeing Mission System Armament / Integrated Product Team (MSA/IPT). Develop automated Java test scripts using Eclipse to verify new communication functionality for the cockpit displays of the AH-64 E Apache Longbow Helicopter.

Proficient: Java/J2EE, C++, .NET, UNIX, Linux and Java Script, Ada.

Savvy Web Developer with [Number] years in technical software development. Expert in a variety of platforms, languages and embedded systems.

Results-oriented Software Engineer comfortable switching between architecture, design and implementation.

Software Engineering Consultant whose role stretches beyond that of a developer to that of a user advocate, designer, developer and tester. Understands [Concept] and is driven to achieve [Achievement].

Software Engineer with thorough hands-on experience in all levels of testing, including performance, functional, integration, system, regression and user acceptance testing.

Highly dependable Software Engineer successful at troubleshooting and debugging. Supportive and enthusiastic team player dedicated to streamlining processes and efficiently resolving project issues.

Highly analytical Software Developer willing to take ownership of core components. Expert in [Programming Language].

Highlights

- Software Engineering Design
- Network LAN/WAN topologies
- Operating Systems Design
- Object-Oriented Development
- Java Development Relational Database Theory
- Java Script Programming, Adobe Photo-shop CS5
- NET Framework
- Agile Software Process
- SQL Database
- UNIX
- Java Net-bean,
- Eclipse
- MS Office Windows 7/8/XP/2000
- Web Design I, II Microsoft Visual Basic / Studio (2010)

Excellent communication techniques

Manufacturing systems integration

Multidisciplinary exposure

Design instruction creation

Project management

FMEA expertise

Lean principles knowledge

Engineering standards expert

AutoCAD expert

Advanced critical thinking

SharePoint

Microsoft Excel, Project and Visio

Engineering operational functions

Assembly drawing

MySQL proficiency

UNIX and Linux-based tools

Accomplishments

- COM/NAV Traffic Collision Alerting System (TCAS), TCAS I & II Systems, Multi-Function Radar Display (MFRD), TRA-67A Mode S Transponder, and TPA-81A TCAS Processor.
- Reviews quality products for accuracy prior to delivery to customer satisfaction.
- Mastered engineering software programs, including [Program Name] and [Program Name].
- Trained new and current employees for both internal and external GRS repair facilities.
- Supported an environmental restoration program in [City Name].
- Product Improvement
- Liaised with [group] to modify and improve overall product performance.
- Eliminated machine defects through recommendation of machine adjustments.
- Statistical Analysis

- Performed data collection and statistical analysis that resulted in sound recommendations that were adopted by department.
- Quality Control
- Saved 8% on supply costs by working closely with suppliers to ensure components met department quality standards.
- *Testing, Evaluation and Analysis:*
- Tested equipment to ensure compliance.
- Analyzed data and provided recommendations which resulted in adoption of new cost-saving equipment.
- *AutoCad Software Utilization*
- Produced drawings and maintained, archived and retrieved CAD files and drawing documents for the completion of four commercial projects.
- *Document Control*
- Served as document control specialist to design micro precision apertures, sheet metal enclosures, membrane switches and cabling, while following proper standards.
- *Presentations*
- Created presentation materials for sales, customer relations and management purposes.
- *Strategic Management*
- Supervised and directed over 25 employees on electronics designs that resulted in production yield improvement which later translated into \$200K in company revenue.
- *Innovative Design*
- Developed automated visual inspection system for accepting and rejecting glass flares based on their physical dimensions and geometry, speeding up product sorting process by 100%.
- *Customer Interface*
- Met with customers to help design custom entertainment centers, china cabinets, mantels and kitchen cabinets for residential homes.
- *Drafting*
- Prepared sheet metal fabrication drawings, modifications and commercial specification drawings in compliance with company's drafting standards.
- *Applied Materials Drafting Standards*
- Prepared sheet metal fabrication drawings, modifications and commercial specification drawings in compliance with industry standards.
- *Organizational Design*
- Prepared plans and layouts for equipment or system arrangements and space allocation.
- *Project Coordination*
- Provided drafting and project set-up support to the communications staff, creating initial to final drawings for two light rail engineering projects.
- Power words:
- Identified, Implemented, Increased, Initiated, Instituted, Instructed, Investigated, Lead, Lectured, Maintained, Managed, Measured, Monitored, Optimized, Performed, Prepared, Presented, Produced, Published, Reduced, Researched, Reviewed, Revised, Sampled, Supervised, Tested, Transformed, Wrote, Adapted, Administered, Advised, Analyzed, Applied, Assessed, Attended, Chaired, Charted, Collected, Completed, Conducted, Consulted, Coordinated, Designed, Developed, Directed, Discovered, Established, Evaluated, Experimented, Explored, Facilitated, Generated, Guided, Headed

Experience

Boeing Software Engineer I

April 2014 to May 2015 Boeing 1/4 City , STATE

- Boeing Mission System Armament / Integrated Product Team (MSA/IPT) Team member of the Mission System Armament / Integrated Product Team (MSA/IPT).
- Assist to improve software standards and practices for Mission System Armament / Integrated Product Team (MSA/IPT) department.
- Verifies collection of complete data set.
- Development of architectures, algorithms and Object Oriented design/analysis with experience in full life-cycle of software, prototype design, interface implementation, test and maintenance.
- Develop automated Java test scripts using Eclipse to verify new communication functionality for the cockpit displays of the Apache Longbow attack helicopter.
- Utilize the Agile Software Development Process for quicker responses to requirements changes and shorter development times.

- Participate in Code Reviews as part of Boeing Software Quality Assurance Initiative.
- Performs data analysis, develops and utilizes data processing tools to troubleshoot and find solutions.
- Identifies solutions to basic problems and supports the development of metrology processes, methods, and tools for Mission Process (MP) systems.

Software Engineering (Internship)

January 2014 to January 2015 Boeing i¼ City , STATE

Collaborated with designers to create clean interfaces and simple, intuitive interactions and experiences.

Designed embedded systems software by applying key principles of computer science, engineering and mathematical analysis.

Continually established clear operational specifications and formulated software requirements.

Conferred with data processing to obtain information on limitations for data processing projects.

Coordinated installation of software systems and collaborated on the design and implementation of new features.

Implemented unit and integration tests to consistently deliver high quality features.

Moved quickly from prototyping to enterprise-quality robust implementations.

Programmed in an object-oriented programming language with an eye toward code abstraction and reuse.

Programmed in an object-oriented programming language with an eye toward code abstraction and reuse.

Delivered software solutions consistent with the product roadmap and released plan milestones.

Advised customers regarding maintenance of diverse software systems.

Directed software programming and development of documentation.

Coordinated continued performance assurance of software applications and automated performance test scripts.

Identified areas of the application to be regression tested.

Helicopter Aircraft Mechanic

July 2009 to April 2013 Boeing i¼ City , STATE

Precision sheet metal/structure mechanics

October 1995 to July 2009 Boeing i¼ City , STATE

- with proven project experience within leading global corporation.

- Drive teambuilding in test, analysis, maintenance and troubleshooting with focus on leadership, training and corporate communications.
- Manage long-term professional relationships within culturally diverse workforce.
- Oversee team of ten (10) aircraft mechanics and report to Apache Longbow program manager.
- Provide mentoring and recommend contractors for internal placement.
- Supported install, build, and test and troubleshooting operations for aircraft component parts, subassembly's and airframe structures.
- Delegated tasks for cockpits, transmissions, gearboxes, upper controls, avionics and armaments, landing gear, fuel system, flight controls & electrical components.
- Train peers one-on-one in proper procedures in quality assurance and efficiency, as well as engineering drawing requirements/specifications.
- Collaborate with Engineering in data, drawing and blueprints specifications.
- Manage documentation approving inspections, projects, and reporting status.
- Review and report results of qualification plans to ensure new product, processes and/or equipment meets quality expectations and performance.
- Interact with manufacturing, suppliers and customers to drive improvement activities and ensure product and processes meet or exceed customer expectations.
- Participate, lead and/or assist with quality investigations and customer complaints for resolution of quality issues and eliminating problems from re-occurrence.
- Using problem solving methodology, perform deep dive analysis to resolve product and process quality excursions.
- Provide support and/or perform MSE I or II on new or existing measurement systems.
- Repair Airframe structure aircraft utilizing engineering blueprint, specifications and IETM requirements.
- Modify and rework, reinstall repaired or replacement parts for subsequent riveting.
- Using power pneumatic tools and operate radio frequency crane Assists in coordinate the manufacture and assembly of test hardware.
- Read work orders, blueprints, and specifications for repair nonconforming damaged parts or structures to determine repairs or fabrication procedures and sequence of operations for F18 C, D, and E/F, AV8B Harriers, and P8 Poseidon Pylons.

Avionic / Electronic Test Technician

January 1990 to January 1995 Honeywell, Inc i¼ City , STATE

- Provided aircraft system troubleshooting, removed/installed avionics/mechanical parts on the following components.
- Analyzed and interpreted blueprints, data and manuals to determine precise specifications.
- Inspected, tested and measured materials, products and installations to spec.
- Recommended corrective actions to minimize rate of product defects.
- Marked [Product type] with grade and acceptance-rejection status.
- Measured [Product type] dimensions to ensure compliance with specifications.
- Interpreted and classified production and quality data for [Product type].
- Weighed raw data, reviewed parts history and organized results prior to quality analysis.
- Maintained operations below a [number]% error rate by ensuring strict compliance with established processes.
- Analyzed manufacturing data against functional design and expected quality results.
- Handled, measured and mixed chemicals following prescribed methods and testing requirements.
- Implemented testing of highly available COTS applications in both Windows and Linux environments.
- Led cross-functional team evaluations of production metrics and test results.
- Documented, filed and maintained proper inspection records and quality assurance documents.
- Conducted material inspections of incoming aircraft.
- Reviewed maintenance documents and CBTS records for completion and accuracy prior to archiving and completion.

Education

Certification : System Engineer , October 2014 California Institute of Technology Center i¼ City , State , USA

Systems Engineering coursework

Information Systems Updates courses

Systems Administration coursework

Bachelor of Science : Computer Science , Jun 2012 University of Phoenix ¼ City , State , USA

Software Engineering GPA: 3.62 Å

Information Systems Updates courses

Software Design courses

Computer System Architecture courses

Systems Administration coursework

Secure Computer Networking webinar

Java, C, C++, C# training

HTML,SQL Server 2008, NET and ASP courses

Associate of Arts : Information Technology / Networking , 2010 University of Phoenix ¼ City , State , USA GPA: GPA: 3.62

Software Engineering GPA: 3.59

Coursework in Information Technology

Coursework in Computer Science, Electrical Engineering and Physics

Architectural Implications of Cloud Computing seminar

Coursework in Acquisition Support

Coursework in Digital Intelligence and Forensics

Coursework in Risk and Opportunity Management

Software Architecture coursework

Coursework in Business Administration and Management

High School Diploma : General Education , 1989 Saigon High School 1/4 City , State , Viet Nam

ng City , State

GPA: GPA: 3.59

Skills

.NET, Adobe Photoshop, Agile, Apache, basic, blueprint, blueprints, C, hardware, corporate communications, data analysis, data processing, Database, documentation, Eclipse, focus, drawing, Java, Java Script, LAN, leadership, teambuilding, mechanical, mentoring, MS Office, Windows 7, 2000, MSA, Network, Object Oriented design/analysis, Object-Oriented, Operating Systems, problem solving, processes, Programming, quality, quality assurance, radio, Read, Relational Database, repairs, reporting, scripts, Software Development, Software Engineering, SQL, Systems Engineering, Technician, Troubleshoot, troubleshooting, UNIX, Microsoft Visual Basic, WAN