

Objective

Software Quality Assurance Lead / Manager / Test Engineer
Utilizing my 20+ years of engineering development & test experience
To set high standards for the software and/or hardware testing process

Professional Experience

Excellent knowledge of:

- White box, Gray box, Black box testing and test case creation
- Software test & validation concepts, Software development lifecycle
- QA methodologies and processes (CMM, ISO), planning, organization, communication and leadership skills
- Software project management, Hands on team management
- Issue tracking systems Jira & Bugzilla, as administer and trainer
- Microsoft Win 95, 98, 2000, XP, Vista, VB, Microsoft Office, Project, FrontPage
- Design & creation of automated test tools for C & C++ based API's, DLL, COM, ActiveX components
- Personal computer platform (excellent knowledge of PC hardware)
- Admin of Windows based networks: hardware & software, including creation of test lab.
- C, Visual Basic 6, Assembly Language

Strong Working knowledge of:

- Linux & Unix
- Microsoft GUI standards, verification and validation
- Enterprise wide multi-tier systems, validation, verification load & performance testing
- HTML, FTP, HTTP, POP, IMAP, SMTP, TCP/IP, LAN, WAN, Ethernet, JavaScript
- Internet Explorer, ME, NT, Unix and Unix shell scripting (csh), IIS, .Net based web testing
- Borland C, Borland Delphi, C++, Assembly language (Motorola & Intel), Ruby, Perl, JMeter
- Fireberd 6000, Audio Precision System One, Fonix 6500, Tektronix scopes, HP emulators, HP spectrum analyzers, assorted HP signal generators (RF & audio), HP RF & digital switches, HP logic analyzers, HP scopes, Applied Micro System emulators.
- Instrumentation buss: VXI, VME, Hearing aid regulatory requirements: ANSI, IEC and JIS
- Design Verification Testing (DVT): Automated Environmental test chambers (script development)
- Eagle (CadSoft) PCB Layout editor

Experience Working with:

- CMM & ISO requirements, Regulatory requirements: UL, CSA, VDE, FCC part 15 & 68 requirements, ANSI
- Microsoft C++ IDE, Pascal, Lab View, Visual Test, Silk, Perl, PHP, XML, CGI Scripts, Java, Borland C Builder
- Telecom protocols (T1, T3), Communications protocols: RS232, RS422, IEEE488 (GPIB), RS499, V.35
- Embedded Real Time OS, ATE, Systems On Chip (SOC), Application Specific Integrated Circuits (ASIC)
- SQL, Netscape, MAC OS 9 & OS 10 (supervised testing of and managed resource allocation)

Additional Strong Points:

- Self motivated, with strong work ethic.
- More than 20 Years of software test and development experience
- Very quick to learn new process and procedures, always hit the ground running on new projects
- Department budget management including quarterly forecasting
- Developed and conducted training class on Microsoft Office Tools (Word, Excel)
- Developed and conducted training class on use of Source Control (Visual Source Safe)
- Developed and conducted training class on Software Quality Control concepts and procedures
- Trained staff on advanced concepts of testing of standardized Microsoft Windows user interface
- Developer & Web master for: wgunkel.com, dolls-craftsbysardonicus.com

Summary of Qualifications

MarkMonitor

Lead QA Engineering / Director of QA

July 2009 to Current

- Setup project management for QA via Jira, complete Jira 4.0 upgrade
- Set project priorities and manage verification process for weekly maintenance release
- Drive the automation process via HP Quality Center
- Performed hands on black box testing of portal
- Managed QA test servers, created shell scripts to deploy code to server
- Created and executed JMeter scripts for performance testing of portal

Feeva Technology

Lead QA Engineer

March 2008 to July 2009

- Develop end-to-end QA process for internet marking service provider
- Design & deployed QA network as test bed for services provided by Feeva
- Perform extensive Verification and Validation of new core components (C and Java based)
- Build and Release master + Created scripts to automate the build and release process
- Created automated JMeter based scripts for regression tests
- Work with OPS to stand-in Linux admin support
- Technologies: HTML, Bash Script, Php, MySQL, Postgres, Win Vista , XP, RedHat Linux, Bugzilla, Jira, MediaWiki, JMeter, Agile

Nemerix

Test Lead Engineer & Project Manager

July 2007 to Feb 2008 (lay-off)

- Test Lead Engineer & Project Manager for next generation MEMS based GPS DR system
- As part of the Advanced Development team, create and execute test plans to verify the viability of new designs.
- Design super miniature test beds for MEMB DR design verification (complete multi-axis system in a 20³ mm package)
- Manage project team developers setting task priorities to assure compliance with project schedule
- Regularly report project status to remotely located senior management

Shopping.com (eBay)

QA Automation Manager

December 2005 to July 2007

- Manager of team of five software engineers developing automation solutions for Shopping.com family of online properties
- Work with business owners within Shopping.com to develop automation requirements
- Developed regression and performance tests.
- Design installed and maintain QA team web site, including project tracking and release calendar scripts
- Installed & customized Bugzilla, Bugzilla master.
- Hands on management including writing and executed test cases
- Directed the creation of custom test automation framework based on Ruby
- Technologies: HTML, XML, Perl, SQL, Python, Linux, Apache, Ruby, JMeter, Selenium, Agile

SiRF Technology

SQA Manager

September 2003 to November 2005

- Manager of GPS software verification data collection and reporting process
- Manage multiple projects through the extensive automated SQA GPS performance verification process
- Enhance verification process used by SQA to meet requirements of ISO 9001-2000
- Software & SQA Process met CMM Level 3 compliance
- Working with HW, SW engineering and marketing to establish the performance requirements for verification by SQA

Genentech

SQA Engineer Contractor

August 2003 – September 2003

Ask-Jeeves

SQA Engineer Contractor

April 2003 – August 2003

R2 Technology

Manager Software Quality Assurance

April 1 2002 – March 31 2003

- Member of senior management team
- Managed department budget of \$2,000,000.00
- Established higher standard of software quality for R2
- Recruited & hired eleven white & black box engineers to build the SQA Dept.
- Responsible for all aspects of project management and resource allocation
- Win 2K & Linux based computer aided detection systems for mammography, Lung CT
- Developed and implement formal SQA process to meet requirements of FDA and ISO 9001.
- SQA process met CMM Level 3 compliance
- Designed and managed implementation of multi-million dollar SQA lab with isolated high-speed network.
- Technologies: HTML, XML, Java Script, C, Win 2K, Linux

Excite@Home

Manager Client Quality Engineering & SQE Architect

Jan 2001 – Feb 2002 (layoff)

- Designed & executed tests on Microsoft OS, IE version 4.X and above.
- Designed & executed tests on ActiveX and COM components.
- Designed & executed tests to verify basic software security against embedded java & html codes
- Designed & wrote automated test tools in Visual Basic (for custom Email tool).
- Wrote white & black box test cases. Executed Ad-hoc and black box test cases as needed.
- SQA architect for custom Email tool client (PC) and web based
- Review all test plans to assure proper test coverage
- Manager of Client Quality Engineering team of 14 White and Black box engineers
- Managed Perl & Silk scrip automation project, including setting test goals and code reviews
- Managed all aspects of department staffing, which included quarterly evaluations and disciplinary actions.
- Managed work force reduction staff issues, which included selection of staff and exit process.
- Technologies: HTML, XML, Java Script, C, Visual Basic All Windows OS's, Solaris, Linux

GN Resound Corporation

Manager Software Quality Assurance & Test System Software

Sept 1998 – Jan 2001 (layoff)

- Executed white & black box test cases on test systems as needed.
- Manager of Quality Assurance & Test Systems Software group
- Built team of both software and quality assurance engineers.
- Developed software quality control process for reviewing software development process.
- Created process for **Primary Design Reviews**, code walk through, unit testing.
- Developed formal software quality control process of in house testing of software.
- Project Manager & chief architect for two in-house software projects.
- Microsoft Visual Source Safe administrator and trainer for new users
- Implemented incident tracking system (bug tracking), using Visual Intercept
- Created automated test tools in Visual Basic & C
- Technologies: HTML, XML, Java Script, Win 2K, Visual Basic, C, C++

Stanford Telecom

Senior Engineering Specialist / Project Manager

May 1997 – Sept 1998

- Project manager for spin off embedded projects based on satellite ground control systems originally designed in 1980's. PC based development-using Microtec 68XXX cross compiler and tools.
- Responsible for SQA process on projects, including extensive white & black box testing
- Ported C and 68020-assembly code from defunct Apollo workstation to Win95/NT workstation.
- Perform complex design analysis to the subsystem and system level of current and proposed programs. Support all aspects of subsystem and system level development.
- Technologies: C, Visual Basic, Lab View, Assembly language, VME, GPIB, TCIP

William Gunkel

Email: wrg@wgunkel.com

Web: <http://www.wgunkel.com/>

Spectra-Physics LDS

Project Manager / Team Lead

May 1996 – May 1997

- Debug enhanced and maintained motion modules for a two axis robotic arm (Gail controller).
- Project manager for 30,000 line Win95 application, written in Visual Basic 4, for \$120,000.00 capital equipment, laser disk drive texturing machine.
- Performed extensive white box tests on GUI,
- Conducted and documented extensive black box test on the complete system
- Technologies: C, Visual Basic, Assembly language, RS232

Trimble Navigation LTD

Project Manager / Team Lead

Feb 1993 – May 1996

- Developed test tools in Delphi and Borland C++. DOS based tools required use of Intel assembly language.
- Developed embedded software in 'C' and assembly using Microtec's 68000 cross compiler and tools
- Developed software configuration and release procedures
- Project manager and Senior software engineer and for a team of eight software engineers
- Project manager for a 1.5 million dollar Miniature Under waters (GPS) Receiver (MUGR).
- Responsible for full SQA process on my projects
- Nightly build master for large product based which shared common core 'GPS' code
- Software library and network master using Microsoft's Visual Source Safe and Win95 based network.
- Debug mixed signal ASIC which Trimble's GPS engine was based on.
- Technologies: C, Visual Basic, Delphi, Assembly language, GPS, GPIB, RS232, RS422

Verilink Corp.

Senior Test Engineer

Dec 1989 – Dec 1992

- Designed and developed PC based DOS shell in 'C' for production test software.
- Test shell allowed standardized creation of test programs via common set of API's.
- Automated production tests via GPIB based tests CSU (T1 Line cards).
- Work very closely with hardware test engineer to development a VME based fully custom test bed
- Technologies: C, GPIB, VME, Multi-Bus, VXI

Dec 77 - Dec. 89

- Senior Test Engineer / Senior Engineering Tech

See: <http://www.wgunkel.com/Files/WGunkelResume.htm> for details.

SKILLS

Skills	Years of Experience	Last Used
Dept / Group Manager	12+	Current
White / Gray / Black box testing	13+	Current
Project Management	15+	Current
Lead Developer / Designer / Architect	13+	Current
SQA Concepts / Procedures	15+	Current
MS Project (Advanced user)	8+	Current
Strong Win OS experience (Admin / Testing)	8+	Current
Agile	4+	Current
Perforce	4+	2007
Windows Office Tools	6+	Current
MS Visual Source Safe Admin / Trainer	5+	2006
PC Hardware	10+	Current
Microsoft Access	6+	2006
Debugging to component level	20+	Current
HTTP	10+	Current
Perl / PHP	6+	Current
Linux	6+	Current
Ruby	1	2007
Visual Basic	7+	2008
C	12+	2004
C++	4+	2004
SQL	4+	2007
Java-Script	2+	2004
JMeter	3	Current
Selenium	2	2007
Merant's PVCS (Tracker & Version Manager)	2+	2003
RS-232 / RS-422	10+	Current
Scopes, Logic analyzers, ICE	20+	2000
GUI development	10+	2000
DVT PVT	10+	2000
Install Shield	2+	2000
Visual Intercept	1+	2000
Embedded Development	10+	1999
Microtec Cross Compiler tools	10+	1999
Applied Microsystems Emulator Tools	10+	1999
68XXX Assembly Language	10+	1998
Debugging from schematics	20+	1998
IEEE-488 (GPIB)	10+	1998
VXI VME	5+	1998
Make scripts	10+	1998
RTOS	5+	1998
Multi-Axis Robotic Arm	1+	1997
Unix 'csh' & 'sh'	5+	1995
Intel Family Assembly	5+	1994

More detailed resume can be viewed at: <http://www.wgunkel.com/Files/WGunkelResume.htm>