

# Kevin P. Delorey

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## Summary

Highly experienced software engineering professional with diverse background of technical and management skills in all phases of the software development cycle. Exceptional expertise in Quality Assurance, Test and Project Management. Extensive experience in the management, creation and delivery of complex products and systems, and implementing standards and processes. Assignments have been for both large and small corporations, in a variety of technical disciplines.

## Technical Skills

**Software** - Windows-98/2000/NT, Word/Excel/PowerPoint/Project, Unix, Shell script writing, HTML, Lotus Notes, FrameMaker, Clarify, GNATS, ClearCase, ClearQuest, Quality Center, Desktop builds and troubleshooting;

**Application System Testing** - Brokerage, 401K, Financials, Human Resources, Insurance, CAD, CAM, Process Manufacturing, Materials Management, Print Inspection;

**Software Process Development and Implementation** - SEI-CMM, ISO9001, Six Sigma Green Belt, Software Development Life Cycle, Test Methodologies, Infrastructure and Architecture, Test Tool Justification and Implementation, Defect Reporting and Tracking, Capability Assessments, Process Auditing, Process and Test Training, Requirements Management, Project Planning and Management, Metrics Reporting and Analysis.

## Experience

### Raytheon Company, Billerica, MA

2009-Present

#### SQA Architect/Consultant

- Consulting effort to provide an assessment of current software engineering process capability, identify critical areas for improvement, and propose recommendations to improve process capability.

### Fidelity investments, Merrimack, NH

2006-2008

Develops and supports brokerage software applications.

#### Test Architect

Delivered leadership in enterprise software engineering practices, particularly in test methodologies, infrastructure, process, practices and standards in programs ranging from \$1 million to \$8 million in budget such as:

- Reviewed program architecture and infrastructure requirements to ensure proposed architecture is testable, complies with approved standards, and was cost effective.
- Assessed and evaluated potential test solutions for specific technology areas based upon quality drivers.
- Developed test strategy including approach, data, tools, automation and environment requirements.
- Identified and raised exceptions, evaluated impact, risks and issues, and recommended mitigating actions.
- Assessed test practices, standards, process, skills and made recommendations for improvement.
- Championed verification practices for early defect removal such as participating in project requirements and design reviews to ensure testable requirements.
- Ensured through validation architecture decisions were maintained throughout project lifecycle into production.

### Maine Bureau of Motor Vehicles, Augusta, ME

2004-2005

(Contract position) Web enablement effort for Driver License issuing.

#### Senior QA/Test Manager

- Recruited and hired a staff of 5 test engineers to plan, design and execute system tests on a waterfall implementation of modules to arrive at the total implementation on schedule and within budget.
- Defined and implemented test methodology, architecture, standards and procedures to make the System Test department operational, such as : smoke testing to promote and deploy stable builds, defect metrics, entrance/exit criteria, test coverage checklists, and a System Test Information intranet homepage.

### Delorey Consulting, Nashua, NH

2003-2004

#### Software Engineering Consultant

- Provided web site design, development and implementation services.
- Diagnosed and repaired desktop software and/or hardware problems for many clients.

### Allmerica Financial, Worcester, MA

2002-2003

Develops and supports asset accumulation and risk management software applications.

#### Senior Software Quality Assurance Manager

- Planned, directed, coordinated and motivated efforts of a 7 engineer SQA team to define and implement SQA processes and practices to make SQA an operational entity and achieve compliance within SEI-CMM Level-2 and 3 “Key Process Areas”.

**BEA Systems, Nashua, NH**

**2000-2001**

Develops, markets and supports a comprehensive infrastructure for development and deployment of reliable, scalable business enterprise applications for e-Commerce.

**Software Quality Assurance Manager**

- Planned, directed, coordinated and motivated efforts of a 6 engineer QA team to gather requirements, define, design, and deploy test cases, tools and processes that evaluated 2 major eCommerce and 2 major eServer product releases; all delivered to schedule and quality goals.
- Implemented and continuously refined sustainable, scalable quality processes, specifically: defect metrics, requirements management and traceability, QA coverage checklists, and disaster recovery of engineering data.

**Infinium Software, Hyannis, MA**

**1998-2000**

Develops, markets and supports financial, human resources, materials management and process manufacturing client server software applications for AS/400 platform.

**Software Quality Assurance Manager**

- Planned, directed, coordinated and motivated efforts of 10-14 engineer QA team consisting of onsite, geographically dispersed and offshore engineers to gather requirements, define, design, and deploy test cases, tools that evaluated 3 major product releases; all delivered to schedule and quality goals.
- Developed questionnaire to evaluate and assess software engineering capability.
- Translated questionnaire findings into initiatives to lead, mentor, document and implement software engineering methodologies, processes, practices, procedures, standards and metrics to consolidate and make operational a centralized Quality Assurance department.

**DEC, EMC, Fidelity Investments, Kodak**

**1995-1998**

Worked various software quality assurance positions as a permanent employee or consultant.

- Defined and implemented test methodology to make operational the Y2K test department to evaluate all products for Y2K compliance. Recruited, hired and directed a highly technical QA staff, coordinated test development and reported each product’s compliance to Y2K Standard. (DEC)
- Developed and implemented Software Quality Assurance Plan Standard, and Verification and Validation Procedure based upon IEEE Standards. (EMC)
- Implemented SEI-CMM Level 2 and 3 SQA “Key Process Area” initiatives, specifically: defined s/w engineering methodology route maps, work breakdown structures and module key deliverables checklists. (Fidelity)
- Defined and implemented s/w engineering processes and practices to achieve ISO9000 Certification. (Kodak)

**Computervision, Bedford, MA**

**1981-1994**

Develops, markets and supports computer engineering graphics (CAD/CAM) systems.

**Principal Software Test Engineer (1989-1994)**

**Senior Software Test Engineer (1984-1989)**

- Evaluated 15+ major product releases including 2 initial product introductions; most spanning one year in duration, all delivered to schedule and quality goals by defining test strategy, plan, resource requirements and leading and contributing to team to achieve scope and purpose.
- Defined and implemented software engineering processes and practices to achieve compliance within SEI-CMM Level-2 “Key Process Areas” and certification to ISO-9000-3 Standard.
- Performed and/or mentored Quality System Audits and followed up on corrective action to ensure compliance.
- Acted as Beta-customer technical support specialist.
- Developed, implemented and executed a local integration strategy for initial Unix-based CAM product release.

**Software Test Manager (1983-1984)**

- Built, staffed and made operational initial QA automation department.
- Defined design criteria for an automated test tool, defined test case standards, tested implementation of both, which ultimately leveraged automated overnight testing.
- Directed conversion of existing manual tests for automation and established test library for archiving tests.

**Software Test Analyst (1981-1983)**

- Planned and developed test matrices, test plans; designed, developed and executed manual and automated test cases; obtained and evaluated results; reviewed end user documentation; reported defects uncovered.

**Education**

- **BS**, Mechanical Engineering, University of Lowell, Lowell, MA
- **AE**, Mechanical Power Engineering, Wentworth Institute, Boston, MA