

## Career Overview

I am a Test Engineer with years of experience in various roles within Information Technology development. I have collaborated closely with software development and testing teams to create robust solutions that meet client requirements for functionality, scalability, and performance. I possess expertise in multiple System Development Life Cycles, including Waterfall, Agile, SCRUM, Iterative/Incremental, Extreme Programming, and CI/CD. My proficiency extends to preventing defects from reaching production through various testing methods such as Smoke, Unit, Integration, System, Functional, Positive, Negative, Cross-platform, Regression, and User Acceptance Testing.

## Summary of Qualifications

SDLC Methodologies	Agile SCRUM, Extreme Program, Rapid, CD/CI, Iterative, and Waterfall
Project Management Tools	JIRA, IBM Quality Manager, Workday, Microsoft Project Mgt, Redmine, and Smartsheet.
Operating Systems	Microsoft Windows, Linux, Unix, Oracle Solaris, Ruby
Programming Languages	COBAL, Java, JavaScript, C#, SQL, XML, HTML, Unix, C++, and VBScript
Frameworks	Python, Java, Ruby Rails, Angular, and ASP.NET
Markup Languages	Dreamweaver, HTML and XML
Database Testing	ETL, FTPS, SFTP FTP, Data Mining
Automation Testing	IBM Functional Tester, Selenium WebDriver, and Salesforce.
Defect Tracking	Borland, JIRA
Configuration / Deployment Management	Borland StarTeam, Rational Team Concert, IBM ClearCase, IBM ClearQuest, Eclipse
Tools	Microsoft Office: Word, Excel, PowerPoint, and Visio Accessibility: JAWS, WAVE, MS Narrator, and Color Contrast Checker Content Management: SharePoint and Documentum IBM: Rational Rose, Performance Tester HP: Application Lifecycle Management

## Projects

Department of Homeland Security (DHS) Terrorist Screening Center (TSC)	eLearning GoArmyED and CISCO, Oracle, and Sybase Training Certifications
Federal Communications Commission (FCC)	Financial International Legal Billing System
National Institute of Standards and Technology (NIST)	U.S. Department of Commerce Legal Department
Bureau of Labor and Statistics	United States Air Force
Hand Surgery Center (NY).	AT&T
National Institutes of Health (NIH) Physical Property Management	Toy's R Us Health Care COBRA Plan & Employee Timesheet Application
Medicare and Medicaid Services	Freddie Mac
UPS	Federal Insurance Administration and Federal Emergency Management Agency and Aetna Flood Insurance

## Security Clearance

- MBI, Federal Communications Commission, Active January 2020-January 2025

## Summary of Professional Experience

- Conducted and participated in SCRUM architectural, data modelling, design reviews; requirement development reviews; test case reviews; change control activities; and task optimizations, sequencing, assignments, backlogs, and retrospectives.
- Conducted and participated in re-engineering processes and applications for updating software to work with new hardware or software platforms; the addition of new features or improving the software's overall design and architecture.
- Conducted and performed complex manual test scripts and automated test scripts for functional process handling, usability, error handling, navigation, behavioral API, and ETL executions. Test conducted for online applications; desktop applications; and mobile devices via android and mac emulators.
- Strategized with the Test Manager, Leads, Stakeholders and other team to create Test Plans, Test Execution matrices.'
- Conducted and performed cross-browser automated testing (IE, Firefox, and Chrome).
- Verified data persistence and evaluated results to confirm compliance with requirements. Communicated test results and feedback to the SCRUM team.
- Created Verification Reference Matrix. Documented and reported issues discovered during testing to the SCRUM team. Led and participated in defect creation, verification, tracking, and prioritization discussions.
- Wrote and tested requirements identified as 508 standards that each of the applications required to meet Government disability, accessibility compliance.

## Contracts

### Sr. Test Engineer, Technatomy Corporation, Fairfax, VA

January 2020 – January 2025

Developed and maintained knowledge of business processes for FCC's ISAS, USF Management Support, and BDC/BFM systems; led a team in developing an automation testing framework; and ran Xray test reports at the end of each sprint, reporting various coverage and execution metrics.

**QA Analyst, The Forza Group LLC, Reston, VA**

**November 2018 – May 2019**

Developed a .NET-based timekeeping and billing application that replaced manual processes with real-time, multi-device entry and automated ledger updates, ensuring functionality through cross-browser and mobile testing.

**Sr. QA Engineer, Northrop Grumman, Hyattsville, MD**

**August 2013 – January 2018**

- Organized IRS testing activities for the Affordable Healthcare Act (ACA) SFTP State data to IRS data exchange project, verifying file transfer processes and error handling with state representatives. Summarized the ETL and API test results in SharePoint. Generated SQL scripts for data verification and conducted API tests with SoapUI. The IRS successfully ingested 215,750 records in 2014 from Maryland, Rhode Island, Arkansas, and Idaho as a result of the testing.
- Created manual GUI and UI test scripts to verify forms 1095-A, 1095-B, 1094-C, 8962, 8965, 8963 were ingesting to the IRS ACA database. Created customized SQL scripts for Customer Account Data Engine Individual Master File (IMF) DB2 ETL testing to replicate real data needed for testing.
- Created National Institute of Standards and Technology (NIST) test scripts. Mobile tests involved the use of an emulator. The site provided millions of IRS taxpayers with accessibility to create an online account to view submitted filings.
- Recorded National Institute of Standards and Technology (NIST) test scripts into HP Application Lifecycle Management for E-Authentication UI testing of several IRS desktop applications and mobile web-site applications ('View Your Account Information', 'Where is My Refund' and 'IRS2Go'). Updated status of the tests by means of integrated HP tools.

**Sr. Business / QA Analyst, Fenestra Technologies Corporation, Frederick, MD**

**Nov 2006-Mar 2013**

- Developed and maintained knowledge of the National Archives and Record Administration (NARA) Electronic Records Archives (ERA), Executive Office of the President (EOP), and Office of Personnel Management (OPM) business processes. They participated in gathering requirements for these processes, worked with project participants to resolve issues, attended discussions, and reviews, and created specifications and technical design documents when needed.
- Created and tested LDAP scripts for NARA ERA, documented results, and ensured issues were logged in StarTeam. Verified defect resolutions and performed regression testing post-deployment.
- Led disaster recovery testing to ensure system infrastructure recovery after a cataclysmic event, created a technical guide plan with step-by-step procedures, and addressed issues quickly in an Extreme Programming setting.
- Wrote technical papers for operational user guides, training materials, and UI help files for all three applications (NARA ERA, EOP and OPS)
- Acquired expertise in US Economic Census 2012 Forms. Performed automated 508 compliance testing with JAWS and MS Narrator. Recorded results in a proprietary database

**Configuration Manager and Test Lead, IBM, Herndon, VA**

**Sep 2005 – Nov 2006**

- Coordinated software deployments for Medicare and Medicaid Services' HIGLAS ORACLE product releases to test and production environments. Led a team of five, ran daily meetings, authored and delivered build validation and verification release artifacts and configuration management plans, and conducted impromptu meetings when necessary.
- Developed and maintained knowledge of GoArmyED system business processes and rules, participated in requirement gathering using Waterfall/Agile SDLC methodologies, performed unit, functional, and integration testing of JAVA application, conducted 508 compliance tests, and evaluated and recommended COTs software (AccVerify).
- Developed and maintained knowledge of business processes for the U.S. Department of Commerce's Legal Department, created and modified processes, reviewed requirements with stakeholders, and offered suggestions leading to new or modified requirements and technical design documents.

**QA Requirements Manager, Houston Associates, Inc., Arlington, VA**

**May 2005 – Sep 2005**

- Led a team of six in optimizing the RTC Jazz suite for the Office of Personnel Management project, including training on Use Case Models, RequisitePro, Rational Test Manager, ClearCase, and ClearQuest.
- Used Rational RUP Iterative SLDC to create requirements by interviewing SMEs, analyzing and modeling existing businesses, and identifying areas for improvement using Rational Rose and Rational RequisitePro. Developed test plans, approaches, and procedures, including navigation, behavior, persistence, and IEEE system certification testing using Rational Functional testing. Unit, function, and integration testing were performed using testing SDLC processes, and test scripts were prepared for functional and UAT testing with OPM users. Defect tracking was reported and prioritized with OPM stakeholders, business analysts, and development teams, and ClearCase was used to ensure the latest code was checked in to facilitate testing efforts.

**Senior QA Analyst, Artech Information Systems, Annapolis Junction, MD**

**Aug 2004 – May 2005**

Prepared test plans and test matrixes for system testing in UNIX platforms using Microsoft Office tools. Participated in backend testing of Homeland Security TSA application by creating shell scripts to run DB tests.

**Business Analyst and Test Analyst, KForce Information Services, Baltimore, MD**

**Apr 2004 – Aug 2004**

- Developed and maintained knowledge of UPS operational processes and Diad usage, created test plans and scripts using Waterfall SDLC in Microsoft Office, conducted UAT with stakeholders, led a small team, and provided testing status presentations.
- Provided business requirements, business process workflows, and rudimentary architecture definitions for the proposed in-house client server computerized system.
- Developed and maintained knowledge of UPS operational processes and Diad usage, created test plans and scripts using Waterfall SDLC in Microsoft Office, conducted UAT with stakeholders, led a small team, and provided testing status presentations.
- Provided business requirements, business process workflows, and rudimentary architecture definitions for the proposed in-house client server computerized system.

#### Business Analyst, Systems Engineering Service Corporation, Reston, VA

Sep 2003 – Apr 2004

Administered and configured administration the database for a US Banking and Financial solutions product, including integration with TestManager and XDE databases. Detailed the importation of historical requirements documents, creation of requirements hierarchy, and generation of SODA documents. Led a team of five in using Rational products and identified requirements for automated or manual testing.

#### Business and Test Analyst, NumberSix Software, Vienna, VA

Apr 2001– Sep 2003

- Re-engineered the US Air Force Art to the public project, conducted peer reviews with stakeholders and developers, developed and manually ran test scripts in RequisitePro, updated statuses in ClearQuest, wrote and discussed defects with developers and stakeholders, and tested fixes in subsequent releases.
- Managed the project scope for the National Institutes of Health Physical Property Management project, including entering requirements into RequisitePro, maintaining a project schedule in Microsoft Project, and acting as the Test Analyst. Collaborated with developers and stakeholders to resolve defects.
- Worked with the Bureau of Labor and Statistics stakeholders to develop requirements for a statistical report generated monthly. Conducted interviews with the stakeholders to create Use Case Models (Business Use-Case Model and Business Object Model). Walked through the business flows with the SMEs, adjusting as they made changes to the business flows.
- Conducted automated performance testing for the Toy's R Us employee web timesheet application using Rational Performance Tester (RPT). The system was stress tested to evaluate its performance under loads exceeding the expected maximum. The process involved setting up servers, purchasing virtual users, and configuring monitors.
- Performed website testing for new application developed for the Hand Surgery Center in New York City. Developed wireframe (mockup) of proposed site in Dreamweaver. Testing was conducted on Microsoft and Mac (Apple) operating systems; multiple browsers, and frameworks.

#### Project Manager, Knowledge Planet, Inc., Mechanicsburg, PA

Mar 2000 – Aug 2001

- Managed and assigned tasks to testers for eEducation classes, conducted business and technical reviews, created documentation, and managed a team of Developed test plans and status report templates and performed functional test cases for VB and HTML.

#### Education

La Salle University – Philadelphia, PA – Business – 1 Semester

University District of Columbia – Washington, DC – 1 Semester

Yorktowne Business Institute – Greenbelt, MD - Certificate of Completion Business Administration

#### References

Yvette Shields	Phone: 202-294-5053	YShields@Technatomy.com	Program Manager - Technatomy Corporation LLC
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Terry Ferguson	Phone: 301-653-9312	Tdferg788@gmail.com	Sr QA Test Engineer-Northrop Grumman

#### URL Profiles

LinkedIn <https://www.linkedin.com/in/lida-blake-a71a25>

#### Training Certificates

■ Agile Programming and Testing	■ Integrated Project Change Control and Close	■ Project Requirements and Defining Scope
■ Agile Project Management Essentials	■ Integrated Project Execution Monitoring and Control	■ Querying XML Data with XPath and XQuery
■ An Overview of Agile Methodologies	■ Introduction to Project Management Using Project 2010	■ Requirements Planning and Management
■ Configuration Management Risks and Incidents in Software Testing	■ IT Project Management Essentials Managing Risks in an IT Project	■ Software Test Management
■ Core PMI® Values and Ethical Standards	■ IT Project Management Essentials Testing Deliverables & Closing IT Projects	■ Static Techniques and Test Design in Software Testing
■ Create Work Breakdown Structure	■ Management Essentials Introduction to IT Project Management	■ Testing Throughout the Software Life Cycle
■ Defining and Sequencing Project Activities	■ Managing Projects Within Organizations	■ The Complete Business Analysis Fundamentals Course Cert 2022
■ Developing and Controlling the Project Schedule	■ Monitoring and Controlling Project Scope	■ The Rules of Ethics in Project Management
■ Estimating Activity Resources and Durations	■ Nonparametric Tests in Six Sigma Analysis	■ Tool Support in Software Testing
■ Fundamentals of Software Testing	■ Project Management Essentials	■ White Box Software Testing Techniques
■ Incident Management and Response Planning & Testing	■ Project Management Overview	■ XML Language Basics
■ Integrated Initiation and Planning	■ Project Management Process Groups	■ Project Requirements and Defining Scope
■ Agile Programming and Testing	■ Project Quality Planning	■ Querying XML Data with XPath and XQuery
■ Agile Project Management Essentials	■ Integrated Project Change Control and Close	■ Requirements Planning and Management