MARK MANVILLE

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PROFILE

A SDET Automation Engineer with extensive experience in defining requirements for Test Plans and unified or cross-functional integrated network infrastructures. Having experience in cloud computing & DevOps with automation in public cloud infrastructure deployments. Significant understanding of prioritizing time constraints while working in tight budgets, open-source development processes for building out technically advanced applications and extensive experience with building web automation frameworks from the ground up.

COMPUTER LITERACY

OS:	Linux-Red Hat 4.6, Unix-Solaris 8, Windows 7+
Scripting Languages:	Java, JavaScript, Python, Visual Basic
Databases:	Oracle 8.1.6+, SQL Developer and Navigator, Hummingbird Exceed 7.1, SQL Server 7, Sybase 12.5.2/MCDB 98/Rapid SQL 7.2.1, PL/SQL
US/Defect Reporting:	MS Azure DevOps, Jira, ClearQuest, HP Quality Center, Bugzilla, Redmine
Application Servers:	WebLogic 5.1+, Apache, SilverStream 3.0
Automation:	TestNG, Selenium, node.js, WebdriverIO, SourceLabs, Empirix E-Tester & E-Load, Mercury Interactive Suite 7.6 (TestDirector, WinRunner, LoadRunner), TestLink, Tricentis qTest Manager, Segue SilkTest, Visual Studio 2012
Other Software:	Appium, JetBrains (IntelliJ IDEA)-Android Studio, Eclipse Indigo/Helios, Maven, Rest-Assured, Groovy, Spring, Node.js, Jenkins, Cygwin, Citrix XenCenter, SoapUI, TightVNC, PuTTY, Norton Ghost, Easytrieve, MS-DOS, MS Office, Git repository, MS Visual SourceSafe, MS Project, VersionOne, Cucumber, Workbench 3+, StarTeam 4.2, Trakkr 1.0, FTP, TCP/IP, vi Editor, DOS, Batch, Confluence
Methodologies:	Agile, Hybrid, Continuous Integration (CI), Sanity, Smoke, Functional, Integration (E2E), Regression, White/Black box, BDD/TDD
Industries:	Cloud-based MS Azure DevOps, Cloud Foundry, Google Cloud, AWS, RedHat Virtual Servers, High Availability, Web-based, Wireless, Utilities, Client/Server, Health Care, Human Capital Management, VOD, SeaChange, DAC/DNCS, Television, Telecom & Mobile, Finance, Warehouse Management System, ERP, CRM

CAREER HISTORY

05/23-01/24   **Wipro LLC, Contractor**
Automation QA Architect to PNC Bank; Johns Creek, GA (Remote)

- Strong background in functional testing with the ability to design and develop comprehensive automated test strategy and test cases in Java, Selenium, Cucumber, Gradle, etc.
- Validate different methods for authentications with different user permissions in Mortgage Loan applications.
- Created loan numbers in Blend application for First Mortgage Empower applications.
- Work closely with product, design, and development teams to communicate problem impacts and to understand business requirements.
- Updated user stories in Jira, Confluence.
- Checked pulled and pushed automation code in Bitbucket.
- Executed end-to-end automation scripts within PNC framework.

03/22-04/23   **Mindlance Inc., Contractor**
Automation QA Lead to E-Trade; Johns Creek, GA (Remote)

- Strong background in functional testing with the ability to design and develop comprehensive automated test strategy and test cases in Java, JavaScript, Postman RESTful API testing.
- Validate different methods for authentications (Ex. MFA, SSO)
- Design effective component, system, functional, application and enterprise level test automation.

- Work closely with product, design, and development teams to communicate problem impacts and to understand business requirements.
- Identify dependencies, risks, and defines the overall strategy for testing complex systems or applications.
- Created Java, JavaScript, Selenium, TestNG, Node.js, and Appium automation frameworks in Eclipse and stored scripts into Git.
- Participate in the functional testing, regression testing of the application through automated test execution and analysis.
- Partner with development teams to Client, analyze, write, retest and close defects as they arise.
- Coordinate with other QA automation engineers to identify and prioritize appropriate test cases for automation.
- Participate in all agile ceremonies as a member of the scrum team.

05/21-02/22   **Anveta Inc.**, **Contractor**
                       Automation QA Lead to T-Mobile; Johns Creek, GA (Remote)

- Team own testing of multiple apps (Web, Mobile & APIs) within the client that are associated with Mobile functionality/feature. Also, the team will be undertaking integration of apps, services & other properties of Sprint under its domain.
- Working in a fast-paced Agile environment to deliver on critical business initiatives; managing project priorities and mitigating risks to deliver on release commitments by providing leadership in driving quality-oriented design and development practices as it applies to both product code and test code.
- Developed, maintained, and executed automated automation framework developed in Java, JavaScript, Selenium webdrivers, TestNG.
- Incorporated test frameworks using XCTest, XCUITest, Espresso, Appium, UI Automator, Robolectric and Jetpack Compose for testing iOS and/or Android native apps.
- Maintain traceability of functional requirement/test cases to automation test scripts.
- Executes automation test strategy that promotes best automation approach (API, UI, Mobile App), and development of toolset to enhance manual test efforts for all projects.
- Confirmed Client billing information via the WMS.
- Understands and contributes to the implementation of processes for Test Management and Reporting for Automated Suites.
- Drive continuous integration, recommending approach, and technology infrastructure and tools.
- Maintains, contributes to the development of test stubs, tools to enhance manual test execution.
- Drive Performance Enhancements for website and mobile for T-mobile.com, myTMO.com with Light House scores, Brotli integrations, core polyfill javascripts, etc.
- Interface with the development team to ensure sufficient test coverage upstream in Unit testing in support of TDD best practices.
- Mentoring and coaching others on the team on automation techniques.
- Coordinated testing efforts with other teams.

06/19-08/20   **The Intersect Group LLC**, **Contractor**
                       Senior QA Automation Lead to Novant/MedQuest Associates; Alpharetta, GA

- Performed Software Quality Assurance for MedQuest Associates' QRIS servers. The QRIS servers provides patient scheduling for multiple states in the United States for outpatient imaging centers. Radiology Information System is for the administration of a radiology service, providing facilities for booking and managing patients' radiology examinations and results.
- Created Java, JavaScript, Selenium webdrivers, TestNG automation framework in Eclipse IDE for Internet Explorer and Chrome browser testing. Framework included Maven for command line execution.
- Checked code into MS Azure DevOps Cloud and converted Tasks and/or Bugs into automation scripts.
- Executed SQL to clean up database of scheduled Orders and/Devices with Microsoft SQL Server Management Studio (SSMS).
- Contributed with task updates in daily status calls.

08/18-02/19	**Datum Software Inc., Contractor**

Senior QA Automation Lead to LexisNexis; Alpharetta, GA
- Performed Software Quality Assurance for Lexis Nexis' Accurint Virtual Crime Center. The AVCC servers gives law enforcement greater visibility into crime in both their jurisdictions and nationwide by linking billions of public records with agency-provided data.
- Developed Automation frameworks for public cloud infrastructure deployments and API calls using Groovy and SoapUI.
- Created and modified test scripts in Zephyr and tracked Epics, User Stories and defect progress in Jira.
- Lead Java, JavaScript, Selenium webdrivers, TestNG, Node.js, and Appium automation frameworks in Eclipse and stored scripts into Git_Labs.
- Configured Jenkins for script build out.
- Created and updated test scenarios in Tricentis qTest Manager.
- Contributed with task updates in daily status calls.

10/14-07/18	**Self, Contractor**

Senior QA Engineer to Warner, Payne and Black, LLP; Johns Creek, GA (Remote)
- Performed web design maintenance.
- Network troubleshooting on web servers between ISP and web design companies to ensure proper functionality.
- Wrote shell, Bash, python scripts for automated builds and auto deployment in Cloud Foundry.
- Wrote API calls and API calls using Groovy and SoapUI.
- Working with configuration, analysis and security monitoring for Tomcat Web Server and Azure Cloud Services.
- Created Java, JavaScript, Selenium, TestNG, Node.js, and Appium automation frameworks in Eclipse and stored scripts into Git.

09/13-09/14	**Principle Solutions Group, Contractor**

Senior QA to Toshiba/Landis + Gyr (L+G); Alpharetta, GA
- Performed Software Quality Assurance for Landis + Gyr's Gridstream Solution servers for A3 meters. The Communication Center servers provide a central location for meter and collector management. Built on C#, .Net, SQL Server, ASP.Net, Enterprise Library and AppFabric the Communication Center web-based servers provides support services for L+G's Radio Shop and their 2-Way Endpoint Testing Manager (ETM) applications in cloud-based development.
- Validated State and Behavior of data and code between C#, AppFabric and database layers.
- Participated in daily stand-up and user story planning meetings for agile methodology and processes.
- Created and executed SQL queries for Oracle and SQL Server databases to validate proper data storage and updates.
- Updated User Stories in Microsoft Visual Studio Team Foundation Server (TFS) and created Test Scripts accordingly in Test Manager then linked them to the User Stories.
- Closed tasks accordingly for User Story sign-off.

06/12-05/13	**Crystal Equation Corporation, Contractor**

Integration Engineer to Cox Communications; Dunwoody, GA
- Performed Integration Engineering for Cox Communications' Cox Video Middleware (CVM) Redhat servers for Recommendation Engine. The Recommendation Engine (ThinkAnalytics) servers suggests video programs (linear and VOD) based on logged in users and their devices stored in the CVM database. CVM gets channel lineups and other content from Cox's Enterprise Data Warehouse (EDW). Ultimately verified recommendations in TRIO (Cisco/NDS) set top boxes (STB) for Motorola and Cisco head ends for Development and QA environments.
- Authored Recommendation Engine Integration Test Plan for review and sign-off.
- Designed and implemented Cloud CI/CD Pipelines for High Availability and Scalable Microservices platforms adapting VM Services to Docker
- Executed J-Unit Rest-Assured scripts framework in Eclipse Indigo for API Puts and Gets testing.
- Created and updated Selenium scripts in Git.
- Created and executed SQL queries for Oracle databases to validate proper data storage, updates plus deletes.

- Updated defects in Jira, Redmine and HP Quality Center accordingly and informed project owners.
- Performed VOD network reconfiguring and troubleshooting in RedHat, Oracle 10g, RESTful Web Services, Arris SVA, SeaChange, DAC, DNCS, ICOMS, Cisco Trio STBs, etc.

04/11-12/11   **Data Intelligence Systems, Contractor**
                       Senior QA Contractor to Automatic Data Processing, Inc. (ADP); Alpharetta, GA

- Performed QA testing for ADP's Vantage Human Capital Management- HR and Payroll application.
- Tested the processes for New Hires, Employee enrollments, Transfers, Payee enrollment, Third Party Sick Pay, Medicaid, Liens and Garnishments, Reports, etc.
- Authored Test Plans and/or checklists for thoroughly testing payroll functional processes.
- Created and executed SQL queries for Oracle EBS databases.
- Created queries and submitted, verified and closed Problem Logs (PL) in IBM-Rational ClearQuest.
- Assisted with creation of 'Welcome to Vantage' document. This document serves as an introduction and knowledge share for setup and configuration for Vantage and all other supporting infrastructures.
- Offered suggestions for QA organization and automation improvements.

05/06-03/11   **Ericsson Television Inc.**
                       Quality Assurance Lead/Engineer; Duluth, Georgia

- Performed QA and Integration testing in an Agile Development process for Ericsson Television's AdPoint Advanced Advertising Platform applications. Time Warner Corporation's (TWC) Time Media Corp. used two of the AdPoint servers. The entire AdPoint platform consisted of several Linux servers: Campaign Managers, Media Managers, Advertisement Decision System (ADS), Asset Management System (AMS), Avail Completion System (ACS) and ultimately ties into OpenStream Video On Demand (VOD) system.
- Executed cross-functional testing with OpenStream, SeaChange, QAM, Pump, DAC/DNCS and multiple versions of Motorola and Cisco Set Top Boxes.
- Performed network troubleshooting for RedHat, Oracle 10g, Java, Jboss, etc.
- Built Python, Selenium automation test environment and SoapUI scripts and then checked them into Git repository.
- Assisted with configuration, maintenance and documentation of servers and software in QA Lab.
- Managed several Sun Blade and other Virtual servers and storage arrays using Citrix XenCenter.
- Assisted Requirements and System Integration teams with the development of assumptions, issues, risks and customer requirements.
- Authored and updated results in Test Tasks for User Stories in VersionOne.
- As QA Lead, coordinated QA efforts among QA team members.
- Validated proper information data storage and integrity via SQL Developer queries/scripts.
- Executed XML placement requests/responses in SoapUI.
- Analyzed, tracked and regression tested defects in Bugzilla.

02/04-04/06   **Accenture Inc.**
                       Senior Test Lead to BellSouth; Atlanta, Georgia

- Performed functionality and regression testing for BellSouth Internet ADSL CRM application. This application is the front end to many other applications, including Loop Qualification System (LQS), Service for Communication (S4C), Sybase/MCDB98/Rapid SQL, Service Order Entry Gateway (SOEG), Network Address Management System (NAMS), DSL Appointment DB (DAD), Customer Record Information System (CRIS), Common Business Service (CBS) and Enterprise Data Warehouse (EDW) to name a few.
- Served as QA Lead for testers, including off shore testers.
- Provided Work Estimates (task by hour, resource planning) and updated Work Plan accordingly.
- Reviewed Test Plans, Detailed Scenarios for correctness dealing with various testing Initiatives.
- Analyzed and tracked defects in TestDirector and communicated them with client.
- Validated proper customer data storage and integrity via SQL queries/scripts.
- Authored High Level Scenarios spreadsheet then compared it against Risk Matrix for number of test script estimation.
- Assisted Requirements team with the development of assumptions, issues, risks and customer requirements from a Quality Assurance perspective.

- Acted as Site Lead for Solutions workforce personnel.

06/03-01/04   **Affiliated Computer Services (ACS) Inc.**
                           Business Analyst/QA Engineer/Contractor; Atlanta, Georgia

- Scoped and designed automation testing efforts for Java-based web applications for the Department of Human Resources (Georgia). These applications used WebLogic as the application server and tied to a PowerBuilder application and a DB2 database on the back end.
- Reorganized TestDirector for improved mapping of Functional Requirements to test cases in TestDirector. Beat expected project time deadlines, in terms of Mapping, Authoring and Executing Test Cases by 15% in first pass.
- Served as Team Lead for Segue's SilkTest implementation with the eventual migration of WinRunner scripts into SilkTest.
- Responsible for authoring and testing Billing and Accounting processes: Individual and Group Accounts, Adjustments (i.e. Retroactive, Carrier limits verification), Retirees (i.e. Annuity-deducted, Medicaid/Medicare eligibility, Coverage verifications and Change Periods). Billing & Accounting required a strong understanding of Enrollment, Eligibility, Coverage Rates, Tables and Types. Analyzed valid adjustments occurred in DB2 database.
- Ensured complete Medicaid testing coverage and HIPAA (Health Insurance Portability & Accountability Act) Compliance.

07/02-03/03   **Mentisys Inc.**
                           Quality Assurance Engineer; Atlanta, Georgia

- Tested proprietary Java-based web applications used by a Fortune 500 company. These applications used WebLogic as the application server and tied to an Oracle database on the back end.
- Created load test scenarios for web-based collaboration software from requirements then converted these scenarios to automated load test scripts via Empirix E-Tester and E-Load testing applications. Scheduled scenario load tests and recorded CPU, memory and hard disk utilization results for reports.
- Verified version updates of software and documentation in Rational ClearCase for consistency.
- Coordinated the execution of installation scripts, database cleanup scripts of load test data then extracted error logs for verifications in multiple environments.
- Streamlined quality control methods through result matrices to ensure process control and product's compliance to the functional specifications. This reduced amount of time to report test results and allowed for complete representation of testing coverage.
- Conducted product support/services and won an award for outstanding commitment to successful product delivery.

03/01-07/01   **RedCelsius Inc.**
                           Quality Assurance Engineer; Atlanta, Georgia

- Performed testing and quality assurance for the development of E-Business Solutions (EBS) software. These web-based applications used a WebLogic application server that tied to either an Oracle or a SQL Server database server.
- Verified connectivity (IP, JDBC, ODBC, EJB, CLASSPATH, XML and XSL) and data integrity between various database servers and the application server in multiple platforms.
- Coordinated the execution of installation DOS batch scripts (run setup.bat), database cleanup scripts of load test data and extracted error logs (edit appinstall.log) for verifications in multiple environments.
- Tested and verified the applications installations and tracked defects in Mercury TestDirector that tied into WinRunner. Created LoadRunner User Defined functions for Web-based application.

08/99-02/01   **iMedeon Inc.**
                           Quality Assurance Analyst; Atlanta, Georgia

- Defined the QA needs and standards for Java web-based products. These applications used SilverStream as the application server that tied to an Oracle database server.
- Created, configured and documented QA Lab resource requirements.
- Authored test plans, test scripts to implement and track the testing of application suite.
- Ensured Y2K compliance with third-party software packages, including Indus' EMPAC (ERP) system, to capture Asset procurement costs against time estimates.

- Coordinated Rational ClearQuest tracking tool to gather and measure the action requests (defects) and to track their developmental progression with multiple programmers.

EDUCATION

11/01	Global Knowledge; Atlanta, Georgia
	ICND (Interconnecting Cisco Network Devices) certification
11/98-01/99	Syspro Technologies, Inc.; Atlanta, Georgia
	RDBMS, Oracle Developer 2000, Oracle DBA certification
05/98-06/98	Gwinnett Technical Institute; Atlanta, Georgia
	COBOL, RPG
08/95-05/97	Clemson University; Clemson, South Carolina
	Bachelor of Fine Art degree; concentration in Graphic Communications, VR
08/89-08/93	Clemson University; Clemson, South Carolina
	Bachelor of Science degree (Marketing)