PATRICK MURPHY

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QUALITY ASSURANCE ENGINEER

Articulate and detail oriented with strong organizational skills. Precise and logical, seeking a challenging position in which to further develop my skills. As a self-directed professional, I am comfortable working independently as well as collaboratively as part of a team.

TECHNOLOGY & TESTING PROFICIENCIES

Testing/ Technology Tools:	Agile Methodologies, SCRUM Methodologies, SDET Methodologies, Azure Dev Ops Suite, Microsoft Suite, (Word, Excel, etc.), Atlassian Suite (JIRA, Hipchat, Confluence, etc.), SQL SMS, GitHub, Maven. Jenkins, GitKraken, GitLab, Selenium, Visual Studio, Visual Code, C#, Javascript, jQuery, JMeter, Python, Browser Stack, TeamForge, IBM Rational Suite, TeamCity, Octopus, Docker, Maven, Jenkins, Swagger API, New Relic, Rally, HPE Unified Functional Testing, Fiddler, Postman, Cypress, AWS Cloud
Testing Methodologies:	Test Drive Development, System Testing, Stress Testing, Load Testing, Reliability Testing, Feature Testing, Acceptance Testing, Functionality Testing, Validation Testing, Regression Testing, White, Black and Grey Box Testing, Penetration Testing, Automated Testing, UAT, BAT, Mobile, API

QA TESTING EXPERIENCE

Quality Assurance Engineer, 7/24 to 10/24
HP – Fort Collins, CO

Testing of proprietary software that functioned as a hardware and diagnostics testing tool. Documentation of all QA processes and behaviors as well as several other general software development life-cycle processes. Tracked deployments and worked closely with development and client issues, often directly with users reporting issues and concerns. Working within a flexible and multi role environment that layered complex and interlocking responsibilities, working to ensure efficiency in each phase of development. Focusing on communication with every group of the development process and business interests in order to be as responsive and reactive to client needs as possible.

Growth and Sustainability Consultant, 12/23 to 7/24
Silver Phoenix Studios – Fort Collins, CO

Lending my expertise and experience on how companies and growing enterprises work. Spent significant time managing finances indirectly and forming media advertisement strategies in order to grow awareness of the brand and products.

Software Quality Assurance Engineer, 8/22 to 12/23
Risen One Consulting – Fort Collins, CO

Modernization of three separate projects and services under the USDA National Resource Manager (NRM) umbrella of applications and software services. Taking over where another team had left their efforts and continuing the effort to test both manual and to set up automation services for each of the projects from scratch. Lead the QA department in months long Federal Acquisition Process for tools (such as Katalon, Smart Bear, and Poatman) that would be used throughout the NRM ecosystem by several teams. Detailed and documented best practices for QA processes as they fit within the unique infrastructure of the USDA. Designed and helped implement a CICD pipeline using AWS, Jenkins, and Gitflow. Closely working with NRM leadership to custom craft the outputs and calculations being stored in legacy and modern SQL database, as well as testing an entirely new in house quality control process to secure and sanitize the data.

Software Quality Assurance Automation Engineer, 3/22 to 7/22
Xcel Energy – Loveland, CO

Curation and continued health of legacy automated tests, assuming the responsibilities of recently departed teams, and assisting in other teams area of expertise as testing needs fluctuated. Focused on the unique in house

automation framework left over from previous efforts and the correction of tests left orphaned within. Remotely connecting with teams and team members from around the globe and operating with ambiguous or ill-defined goals and expectations. Optimization of mobile and web automated testing on an increasingly short and rapid time frame.

Technology Consultant, 2/21 to 3/22
JPDC Enterprises – Fort Collins, CO
Providing ongoing assistance to new and emerging robotics, surveillance, and energy technologies. Duties include Design, Production, and Quality Assurance on hardware and software in both prototype and beta stages, including guidance and assistance on marketing and Web Design. A minor amount of writing copy for marketing and other areas of focus as well as assistance in Accounting and Business Administration. Difficult to nail down precisely what the role entails, as the company is exceedingly small and very new; thus flexibility and adaptability have been crucial to providing the maximum amount of benefit to the company and products.

Software Quality Assurance Engineer II, 6/20 to 4/21
Schneider Electric – Loveland, CO
Large scale Quality Assurance for ESRI GIS additions, such as ArcFM, giving streamlined and efficient workflows to users. Assisted in maintaining tools and methods for controlling and manipulating large scale data-sets. Worked closely with legacy programs and the ongoing development of new functionality to replace wholesale sections of said legacy systems. In addition to creating a robust series of test scripts, cases, and plans for both manual and automated testing. Focused on delivering customized solutions on the ESRI GIS software to Utility companies around the world.

Software Quality Assurance Engineer, 2/19 to 5/20
Greenbrier Management Services – Boulder, CO
Spearheaded automated development of test suites for a network of unique, interconnected products. Primarily using Katalon, Custom Java Scripting, and Postman, though several other tools were experimented with and proof of concepts developed. Worked closely with Developers in order to integrate quality more 'left in the process', attempting to utilize several built-in tools with the DevOps suite. Other efficiencies gained with the team negotiated and agreed on custom processes in keeping with Agile Scrum methodologies. Supervised several legacy products and greenfield development during large scale change, working closely with stakeholders, the product owner(s), and business interests.

Lead Software Quality Assurance Engineer, 11/15 to 1/19
Bernard Data Solutions/Aegis Premier Solutions – Westminster, CO
Built and maintained extensive testing, both manual and automated for an aging legacy product while simultaneously documenting and creating tests for new 'greenfield' development on a new product using Agile and Scrum methodologies. Utilized a wide variety of processes and tools, including Postman, Jmeter, and C#, to create a robust test plan for two diverse products simultaneously.

Data Center Technician, 7/15 to 11/15
West Corporation - Longmont, CO
Performed preventive and predictive maintenance on data centers according to schedule and ensured effective performance of all critical processes. Maintained all operations systems and performed all emergency functions required for smooth operation. Created and maintained documentation and all records for equipment. Managed all recurring problems and ensure work within time-frame and according to capacity demands.

Software Quality Assurance Engineer, 2/15 to 5/15, Contract
UHG, Optum - Broomfield, CO
Wrote and executed manual and automated test cases for young products. Cooperated and participated in vital process decision making meetings and assisted in defining acceptance criteria for both testing and user stories. Key elements of the position were bug tracking, test reports and creation and automation of test scripts, editing test cases and assistance in the creation of test plans.

Software Quality Assurance Tester, 5/12 to 11/14, Contract

USDA, Forestry service - Fort Collins, CO

Provided life-cycle management via Agile of automated testing projects on software and large database web applications using various monitoring and scripting tools. Cooperated in a team environment with engineers and developers as well as management and non-technical professionals, including the customer. Where I learned what was to be expected from a Quality Assurance Engineer and the roles place in software development; learning the processes and terminology of the industry. Learning a significant portion of tools in the industry as well as gaining a passing familiarity with ArcMap.

Personal Experience

Involved with several video game modification development communities as a writer, Quality Assurance tester, and design consultant. Responsibilities are not codified, as beta testing and mod creation is primarily a volunteer position with little project management or direction. Everyone contributes to whatever they can as they can, loose guidelines are established but the majority of work is a collaborative effort with little definition as to whose responsibilities are whose. I have been included in the design and implementation of overarching fundamental changes to complex mechanics. As well as being the sole writer of the lore and in-game assistance (essentially a tech writing position).

As well I have been involved as an officer in large scale group efforts, tasked with organizing, directing, and managing several real time efforts to accomplish complex and multi staged goals. Within a distributed hierarchy and dealing with not only the personal and technological issues that accompany any such endeavor, but also the logistics and timing of the plans the individuals must accomplish. Interweaving several disparate communication methods and streams to provide clear and concise feedback and on the spot direction based on the immediate situation.

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EDUCATION

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Graduated with Bachelors Degree in English summer of 2014 from Colorado State University.