

robhunter

software engineering professional

Self-motivated, highly adaptable, and organized software engineering professional with over twelve years of experience specializing in automated build and test systems. Outstanding troubleshooting and problem solving skills, with a proven ability to identify and solve root-cause issues.

CORE COMPETENCIES

- Full stack QA engineering
- Commercialization engineering
- Software build master
- Software design and development
- Process management
- Team management

TECHNICAL COMPETENCIES

Programming

- Python
- C/C++
- Shell Scripting
- C#
- Pascal
- VB6, VB.NET
- Java
- VBScript

Technologies

- Build & Test Automation
- Source Control
- Continuous Integration
- Virtualization
- Windows Installer
- Software License Protection
- SharePoint
- Wikis

Processes

- Agile Testing
- Scrum
- Usability Testing
- Lean
- TDD
- Commercial Deployment
- Software Compliance
- Trade Compliance

TOOLS EXPERIENCE

Quality Assurance Tools

- Selenium
- Appium
- TestComplete
- QTP/WinRunner
- Various unit test frameworks

Build Tools

- Jenkins
- TeamCity
- TFS TeamBuild/MSBuild
- CruiseControl.NET
- NAnt

SCCM/ALM

- Git
- JIRA
- TFS
- StarTeam

Development Environments

- PyCharm
- Visual Studio
- C++ Builder
- Delphi
- Eclipse

Installation Authoring

- WIX
- Wise Installation Studio
- Inno Setup
- NSIS

Other

- AWS
- VMWare Workstation/VirtualBox
- Morae
- Reprise License Manager
- Aladdin HASP

EDUCATION

University of Waterloo, Canada

B.ASc. Computer Engineering (Co-op), 2006

CO-OP WORK EXPERIENCE

Control Systems Software Developer

ATS Automation Tooling Systems Inc.

2005 (8 months) – Cambridge, ON

- Machine vision software development in C++/C

Payload Assistant

Canadian Space Agency

2004 (4 months) – St. Hubert, QC

- Canadian telemetry project for International Space Station in C++/VB.NET

Assistant Building Systems Engineer Dufferin-Peel

Catholic District School Board

2003 (4 months) – Mississauga, ON

- Automated backup of HVAC control programs using C++/Win32 API
- Warehouse database project in FileMaker Pro

Software Developer

Synexus Global Inc.

2002/2003 (8 months) – Niagara Falls, ON

- Hydroelectric power generation decision support software development in C++

CONTACT

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PROFESSIONAL EXPERIENCE

QA Developer

November 2014 - Present

TransitLabs (RideCo) * *Currently employed in this position*

Waterloo, ON

TransitLabs is a startup in the ride-sharing domain. I was the first software quality team member, and was tasked to ensure the ongoing quality of the full stack software platform as it was being initially developed and during the commercialization.

- Performed code reviews, and executed acceptance tests on all new development on the back-end engine, web services, website front-ends, and passenger and driver apps
- Wrote unit tests, integration tests and system tests to be executed as part of the automated build pipeline
- Developed mock apps to emulate passenger and driver behaviors
- Modeled supply and demand data and simulated system performance for proposals and launches to public transit and private vehicle fleet providers globally

Commercialization Engineering Process Lead

November 2010 – November 2014

Schlumberger Canada Limited (Schlumberger Water Services)

Waterloo, ON

Responsible for coordinating all commercial deployment activities for all software products developed in Waterloo office, in this role I worked to improve software quality in all aspects of the Agile quadrants, while enforcing stricter commercialization deadlines. This role included managing the test team, maintaining the build/test infrastructure, and overseeing the SDLC.

- Incorporated Agile development and testing into new development projects; piloting Scrum, TDD, usability testing, and UI test automation; evaluated and chose supporting tools
- Simplified build templates to support two primary configurations: fast developer-facing continuous integration builds with BVTs, and full “release candidate” rebuilds that run all automated tests and can be promoted to release externally
- Product owner for components shared across product portfolio including license protection controls, automatic update notification, and application analytics

QA/QC Coordinator for Water Services Software

April 2008 - November 2010

Schlumberger Canada Limited (Schlumberger Water Services)

Waterloo, ON

In this role, in addition to my previous responsibilities, I was given the additional responsibility of managing the QA/QC team. Through 2009 and 2010, I also co-managed the in-house technical support team.

- Managed QA/QC team, and initiated co-op student recruitment for both the QA/QC and development teams
- Managed technical support team and handled escalated client installation, deployment, and licensing issues
- Introduced continuous integration systems and improved build performance
- Refactored installation packages to improve user experience and significantly reduce client-reported installation issues
- Led a project to replace the licensing protection across all software products
- Managed an out-sourced project to deploy multiple software applications through a chained installation

Software Build and Deployment Specialist

May 2006 - April 2008

Schlumberger Canada Limited (Schlumberger Water Services)

Waterloo, ON

This role included manually integrating software components into installation packages, and being a collaboration point of contact between departments for all commercialization activities. I started the transition to using build tools to automate the build process for six separate products and gained responsibility for the source control system.

- Responsible for the release of all software products
- Updated release processes to include trade compliance procedures, license auditing, and review of EULA
- Restructured the source control configuration to improve branching
- Introduced automation into the software build process and performed all builds of water services software products