Keefer T. Davies

4A Software Engineering
20382119

Local Address

250 Keats Way Unit 26
Waterloo, Ontario, Canada
N2L 6J5

kt2davie@uwaterloo.ca
Cell: 519-636-5625

Permanent Address

811 Maitland Street
London, Ontario, Canada
N5Y 2W6

SKILLS SUMMARY

- Dedicated team worker with an excellent work ethic and positive attitude; able to work under pressure
- Exceptional analytical, problem-solving and organizational skills
- Excellent ability to understand and follow instructions; quick learner
- Quick navigation and troubleshooting of operating systems and application software

COMPUTER PROFICIENCY

Languages: Working knowledge of C/C++, Java, C#, PHP, Python, PowerShell, JavaScript, SQL and Assembly

Systems: Windows 7/8, OS X, Debian Linux, VMware ESX, Amazon EC2, IBM MVS (Multiple Virtual Storage) Mainframe

Software: Visual Studio 2010/2013, Eclipse, Xcode, Git, Subversion, Jenkins, VersionOne, VMware vSphere, VMware Workstation, Code Collaborator, Bugzilla, WinDbg, Microsoft Office Suite, Photoshop CS4, Flash CS4, Dreamweaver CS4

Other: Agile Methodologies, Software Development Life Cycle (SDLC), HTML, CSS, LaTeX, XML, JSON

WORK EXPERIENCE

Software Development Engineer, McAfee Inc., Waterloo, ON, *January – April 2014*

- Completed several research projects in the areas of custom user interface (UI) engines, telemetry and analytics.
- Created a PHP framework to simulate McAfee telemetry reporting to Google Analytics.
- Efficiently presented research findings in technical documents and presentations.
- Resolved several production issues in McAfee's Windows applications used by millions of customers.
- Performed RCA (Root Cause Analysis) using WinDbg and Visual Studio to analyze software crash dumps.
- Exercised the Agile methodology, participating in daily stand-up meetings, backlog grooming sessions, sprint planning meetings and PSI (Potentially Shippable Increment) planning sessions

Technologies: C/C++, PHP, PowerShell, Python, SQLite, WinDbg, Google Analytics and Google BigQuery

Software Development Engineer, McAfee Inc., Waterloo, ON, *May – August 2013*

- Managed McAfee's Jenkins Continuous Integration (CI) system, taking it from a proof of concept to a production level system with the help of one other co-op student.
- Created a custom Jenkins plugin that seeds build machines with the information required to perform automatic builds and deployment of McAfee products to internal test servers.
- Created automation tools to facilitate the automatic build process for all modules in the McAfee Total Protection suite.
- Implemented an automation framework with PHP and Jenkins to automate testing of the latest McAfee Stinger builds when integrated with McAfee's Windows application. This project greatly minimized manual effort and increased release frequency of the latest McAfee Stinger application.
- Actively participated in design discussions for new data driven install engine.
- Participated in a number of community charity events including the Heart & Stroke Big Bike event and a charity BBQ/car wash.

Technologies: C/C++, Java, PowerShell, Python, SQL, PHP, Jenkins and Jelly scripts

Software Developer, Research In Motion Limited, Waterloo, ON, *September – December 2012*

- Designed, developed and maintained automation testing frameworks, tests, systems and tools for BlackBerry® Enterprise Software.
- Demonstrated resilience by quickly getting up to speed and making direct contributions to many different projects.
- Analyzed and debugged automated test suites for BlackBerry 10, identifying root causes of failure and taking appropriate corrective actions.
- Implemented logging functionality for test suites with Apache Log4J and AspectJ.
- Communicated effectively in team meetings as well as in technical discussions on internal forums.
- Exhibited excellent team work, integrating well with the other team members to successfully complete combined objectives.

IT Solutions Developer, TD Bank Group, London, ON, *May – August 2011 & January – April 2012*

- Coded, debugged and tested COBOL, JCL and SAS code on an IBM MVS Mainframe.
- Delivered software solutions within project schedule / timelines; showed ability to work under pressure.
- Developed Java applications to automate tasks performed by the team on a daily, monthly and yearly basis.
- Supported applications in production, including identifying the root cause of problems and identifying options to achieve a resolution in a timely and effective manner.
- Demonstrated strong technical aptitude and ability to learn quickly when working with unfamiliar technologies and programming languages (IBM MVS Mainframe, DB2, COBOL, JCL and SAS).
- Displayed excellent written and oral communication skills through technical documents and code walk-throughs.
- Exhibited ability to multi-task and work effectively as a team and individually.

EDUCATION

University of Waterloo (Waterloo, ON)
Bachelor of Software Engineering, projected completion 2015

London Central Secondary School (London, ON)
Ontario High School Diploma, University Level, 2006-2010

AWARDS AND SCHOLARSHIPS

- *Sandford Fleming Foundation Award*, University of Waterloo, Waterloo, ON, December 2012 (for co-op work report)
- *Merit Scholarship*, University of Waterloo, Waterloo, ON, August 2010 (for high school admission average)
- *Ontario Scholar Certificate*, London Central Secondary School, London, ON, June 2010
- *Ontario Semifinalist*, ECOO Programming Competition, London, ON, April 2010
- *Certificate of Excellence*, University of Toronto, Toronto, ON, April 2009 (finalist in showCaSe: A Computer Science Fair 2009)
- *Ontario Semifinalist*, ECOO Programming Competition, London, ON, April 2009

ACTIVITIES AND INTERESTS

- Enjoy playing clarinet, weight lifting, swimming, fishing, boating, downhill skiing, web design, photography, and graphic design

References available upon request