

Darcy Casselman

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Profile

- Experienced software professional with a deep understanding of the software development lifecycle.
- Proficient in a wide range of technologies with considerable experience in object oriented design.
- Focused on developer productivity and efficiency, though techniques and tools.
- Dedicated to expanding knowledge and skills, not just in technical areas, but in all aspects of the software development process.

Technical Skills

Languages

- Advanced in Java, C# and C/C++
- Proficient in Python, PHP, shell scripting and Javascript
- SQL variants, including T-SQL, PL/SQL

Specialties

- Agile software development with Scrum or Kanban
- Significant experience with API design and development
- Developed applications on Linux and Windows
- Version control systems including Perforce, Subversion, Git
- Unit test frameworks xUnit, TestNG and mock testing frameworks EasyMock and Mockito
- HTML and CSS, XML and XSLT
- Eclipse and Visual Studio plug-in development

Experience

Software Developer – OpenText Corporation

<http://opentext.com/> | August 2009—Present | Waterloo, Ontario

Contributing to OpenText's flagship Content Server product. Building tools to improve productivity of developers working in OpenText's proprietary OScript language.

- Designed a new development paradigm for OScript developers, providing backwards compatibility and easy conversion for legacy Content Server modules while providing the means for developers to use modern development tools with their OScript source code.
- Developed an Eclipse plugin to help developers work in that new paradigm.
- Designed a new OScript language syntax for defining OScript objects outside of proprietary editors.

Software Developer – Miovision Technologies Inc.

<http://miovision.com/> | December 2008—June 2009 | Kitchener, Ontario

- Created a system to track key performance indicators using Amazon Web Services to aggregate data from Miovision's distributed digital media processing system for vehicular traffic surveys. Mined data with Microsoft SQL tools in order to analyze problems and improve performance.
- Developed a system to retain historical video processing data for statistical analysis and process improvement.
- Designed preliminary architecture for the next generation of Miovision's media processing platform.

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Software Developer – MKS Inc.

<http://mks.com/> | May 2001—October 2008 | Waterloo, Ontario

- Led a team which designed a new, event-driven Visual Studio integration for source control, fully integrating source code control with the concepts from my older “worktray” integration. Designed a user interface that would show users their outstanding changes against tasks as they worked.
- Developed a framework that would allow a new Eclipse integration that abstracted away many of the details related to MKS’s source control data model, allowing the integration writer to deal with working files as is natural in the context of the IDE, saving time and complexity. This framework is being used and will continue to be used in other source control integrations.
- Designed and implemented a “worktray” integration for Visual Studio, allowing users to see a list of their outstanding bugs and tasks, as well as the work they’ve done against those tasks. Implemented in C#, this product allowed Visual Studio users greater visibility into areas of the MKS product line.

Volunteering

Director and Board Chair – Kwartzlab Society Inc.

<http://kwartzlab.ca/> | June 2011—July 2014 | Kitchener, Ontario

- Oversaw Kwartzlab's makerspace operations including a move to more prominent facilities and growth from 30+ to 60+ members. Built partnerships with local businesses, donors, and other technology and arts organizations and ensure a vibrant, fun and productive maker community.
- Served as President 2011-2013.

LoCo Team Contact – Ubuntu Canada Local Community Team

<http://loco.ubuntu.com/teams/ubuntu-ca/> | August 2010—April 2015

- Volunteer community leader, coordinating activities here in Southern Ontario and fostered a community across the country.

Education

Bachelor of Mathematics in Computer Science, Honours Co-op – University of Waterloo

September 1994—August 1999 in Waterloo, Ontario

Activities and Interests

- Volunteer social media manager for Kwartzlab since 2009.
- Member of Communitelch Agile P2P and KW Linux User Group.
- Presented at KW Linux User Group, Dev House Waterloo, Ontario Linux Fest.
- Hosts programming tutorials and hackathons in Python and Android development.
- Enthusiastic participant in local urban planning initiatives, including transit and placemaking.