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CHRIS HERBORTH

OBJECTIVE

To lead a development team obsessed with code quality and software security, making great things.

EXPERIENCE

SECURITY AUTOMATION DEVELOPER, BLACKBERRY/RIM

2010 – Present

"Frontline" – Designed and developed a cloud service for checking application reputation at install time. Investigated and chose various new technologies (Cassandra, Kafka, OpenNebula). Mentored the team on new technologies, higher code quality, and Frontline code base, unit tests, and deployment. Skills/technologies: Python, Apache, Cassandra, Kafka, MySQL, Cloud design, Distributed system design, System architecture, Object-oriented design, Perforce, Git, Flask microframework, Bootstrap, HTML5, CSS, JIRA, Scrum, Ubuntu Linux, REST, JSON, Web services, Eclipse, Code analysis.

"Blacklight" – Developed new features for an automated malware detection and analysis engine. Maintained existing large code base while driving for code quality and unit test coverage. Skills/technologies: Python, MySQL, Perforce, Ubuntu Linix, HTML5, CSS, JIRA, Scrum, Malware analysis, Automated analysis, Object-oriented design, SOAP, Web services, AJAX, Eclipse, Code analysis.

SECURITY CAPABILITIES DEVELOPER, BLACKBERY/RIM

2010 – 2012

"Qpasa" – Initial design and development of an on-device BlackBerry 10 analysis tool to detect undocumented changes between operating system builds. Skills/technologies: Python, BlackBerry 10, Subversion, Automated analysis, System architecture.

OpenGrok – Set up and maintained a central search repository pulling together various sources of code from throughout the company. Skills/technologies: OpenGrok, Perforce, Subversion, Git.

"Dior" – Designed a Software Readiness Review (SRR) web app that automated a convoluted business process, making the SRR process repeatable and significantly faster. Skills/technologies: C#, .NET, MVC3, Code analysis, User-requirements analysis, Scrum, VisualStudio, IIS, MS SQL Server, Subversion.

"Neo" – Designed and developed new features for a security project management web app. Skills/technologies: PHP, HTML, CSS, Perforce, Subversion, Requirements analysis, MySQL.

DATA VISUALIZATION DEVELOPER, DUNDAS DATA VISUALIZATION

2006 – 2010

"Atlas" – Designed and developed a support and production documentation web app based on ScrewTurn Wiki. Wrote *Dundas Dashboard* documentation, sample code, and demos. Skills/technologies: C#, .NET, HTML, CSS, Subversion, Technical writing, Requirements analysis, Security analysis.

"Zombie" – Lead a small development team that implemented new features and maintained legacy projects to comply with existing service contracts. Title was "Senior Zombiologist." Skills/technologies: Project management, Team management, C#, VisualBasic.NET, ASP.NET.

Product Finisher – Created sample code, demos, documentation and tutorials for .NET data visualization components. Designed and implemented new features. Published monthly newsletter of tips, tricks, samples, and new feature documentation. Skills/technologies: C#, VisualBasic.NET, ASP.NET, Technical writing.

SENIOR TECHNICAL WRITER, QNX SOFTWARE SYSTEMS LTD.

2004 - 2006

Wrote QNX toolchain and IDE documentation for Momentics, including tutorials and sample code. Skills/technologies: Eclipse, QNX, Momentics, SGML, C, C++, Technical writing.

DOCUMENTATION OVERLORD, CRYPTOCARD CORPORATION

2003-2004

Designed and wrote documentation and tutorials for CryptoCARD's network security products. Skills/technologies: XML, Technical writing, Security tokens.

CERTIFICATIONS

CERTIFIED SCRUM MASTER

Certification # 142621 (lapsed)
Scrum Master 2011-2015 BlackBerry Security Application Defence

CSSLP – (ISC)²

Certification # 394125, April 2012 – March 2015
Exam – Spring 2011

EDUCATION

UNIVERSITY OF WATERLOO – BACHELOR OF ARTS: ENGLISH – RHETORIC AND PROFESSIONAL WRITING

Graduated with Honours, "mini-Minor" focus on Computer Science.

COMMUNICATION

Wrote several articles for IBM's developerWorks website.

Wrote *UNIX Visual QuickPro* for Peach Pit Press.

LEADERSHIP

Scrum Master at BlackBerry.

"Project Zombie" development team lead at Dundas Data Visualization.

Technical Publications Manager at TEXAR Corporation during the `.com` bubble.