Kim Horne
– Ottawa – Canada

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Creative and team-focused software developer and engineering manager with 20+ years of experience in projects spanning a number of fields.

Previous Employment

SurveyMonkey   **Ottawa**
Senior Software Developer / Senior Engineering Manager – Python, PHP, Linux, Bash   *February 2018–*

Senior software developer and later senior engineering manager for both Wufoo and SurveyMonkey Apply. In this role I maintained the existing Wufoo PHP platform while shepherding re-implementation and re-platforming efforts in Python. This effort utilized a number of technologies such as RabbitMQ, Celery, Mesos, Chronos, and Ansible.

Soon after joining the Wufoo team I became engineering manager for backend and server side components of this product and later transitioned to engineering manager for entire Wufoo product as well as the SurveyMonkey Apply product.

Two Sigma Investments   **New York**
Software Developer, Vice President – Java, Linux, Bash, Angular   *January 2015–September 2017*

Technical lead and developer for HR technology. In this role I implemented and maintained a number of custom full stack HR web applications utilizing Angular/Angular JS and Java. These applications were utilized not only by clients within our HR teams but more broadly by the entire company.

Prior to my role in HR technology I developed and maintained collaboration and knowledge management tools utilized throughout the company such as wikis, forums, enterprise search, and internal social networking. In addition to my duties as a software developer I also participated extensively in our recruiting process (on average 3 interviews a week) and also travelled to industry recruiting events on behalf of Two Sigma. I was also on the board of directors for outsigma, our LGBTQ human resource group.

Accoustiguide Mobile (formally Tristan Interactive)   **Ottawa**
Software Developer, Contract – native Android and iOS   *March 2014–November 2014*

Responsible for implementing a number of custom mobile applications on both Android and iOS for high profile fine art and historical institutions such as the Solomon R. Guggenheim Museum, the 9/11 Museum, and the Clark Gallary. Based on a proprietary CMS stack, these applications provided guided audio and visual content for guests visiting these institutions.

Smarter Apps   **Ottawa**
Software Developer – Corona SDK, Lua, AWS, native C++ on BlackBerry 10December 2011–January 2014

I was part of a small team that implemented a cross platform physics-based game for iOS and Android (Little Generals.) I was responsible for many aspects of game implementation including gameplay, graphics, physics, user interface, content delivery, networking and multiplayer implementation, social media integration, and monetization. Little Generals reached the number one position in strategy games, top ten overall games, and top fifty free iPad apps in the Apple app store.

During my time at Smarter apps I also implemented IT management software on BlackBerry 10 OS including AWS administration functionality and an RDP client.

BlackBerry (formally Research In Motion)   **Ottawa**
Feature Lead Facebook for BlackBerry – Java, XMPP, C++   *January 2009–December 2011*

Lead development of team implementing Facebook chat (and other Facebook features) for native BlackBerry Facebook client. Designed architecture, performed network traffic analysis, implemented components from UI down to networking/XMPP layer. This application was pre-installed on millions of devices and was one of (if not the most) utilized applications on BlackBerry devices.

Technical and Team lead, BlackBerry App World Client

Lead team developing client application for the BlackBerry App World storefront from inception through three releases. In addition to team lead responsibilities I implemented large portions of the client including backing storefront model, review subsystem, purchase and payment system, and many components of overall user interface. Much like Facebook for BlackBerry this application was pre-loaded on millions of devices.

○ **IBM Canada** **Ottawa**
Advisory Software Developer – Java, Eclipse, Rational Software Suite *January 2003–December 2008*

Member of Eclipse Platform UI team between Eclipse 2.1.3 and 3.5. Responsible for creation and maintenance of core UI APIs utilized by the Eclipse platform such as themes, capabilities, working sets, etc. Participated in all areas of development including planning, testing, builds, and community issue tracking.

In addition to development duties I was an active member of the Eclipse community by authoring a popular Eclipse blog and participating in Eclipse conferences as both an attendee, speaker and workshop facilitator. Finally, during my time at IBM I mentored a number of Google Summer of Code and Extreme Blue internship projects and was given an IBM Outstanding Technical Achievement Award prior to my departure.

Additional experience truncated but available on request.

Education

○ **Dalhousie University** **Halifax**
Bachelor of Science in Honours Computer Science, (2.5 years of 4 year program completed) *1996–1999*

Technical and Personal skills

○ **Programming and Scripting Languages:** Experience in: Java, JavaScript, Lua, Python, PHP, Objective C, C, Arduino, Bash
Also basic ability with: C++, Assembly, PowerShell.

○ **Additional Software Skills:** Angular/Angular JS, ElasticSearch, SQL, Android and iOS development, Ansible, Docker.

Interests and extra-curricular activity

○ I am interested in art in a number of mediums including pastel, watercolour, and oil. I have on occasion shown and sold art in informal gallery settings. I am also an avid crocheter.

○ I have performed on behalf of a number of charity organizations as a member of an Ottawa-area burlesque group. In addition to performance I helped run and organize shows with thousands of attendees. Over the years we raised tens of thousands of dollars on behalf of these charities.

○ I am an amateur bee keeper and maintain several hives on my property.

○ I enjoy dabbling in embedded development, particularly if I can apply it to my other hobbies (ask me how!)

References

○ Available on request