GABRIEL LEW

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I love to solve interesting software and business problems while trying hard to make excellent returns for everybody involved. I am used to working long hours, not because I have to, but because I genuinely love doing this stuff.

Work Experience

Senior Software Engineer @ Bloomberg LP – New York, NY   **Jul 2013 – Current**

Self-Employed Trader / Software Engineer   **Jul 2009 – Jun 2013**

- Created datadeflator.com, a web app to visualize and manipulate Z.1 Flow of Funds, macroeconomic time series, and equities data. Tested/tweaked for desktop and mobile (iPad, iPhone, Android) browsers.
- Coded various utilities for trading, analysis, and tax reporting (parsing statements, handling currency issues).
- Profitably traded equities, futures, forex, commodities, and derivatives.
- Used: Python, Django, JavaScript, CSS, HTML, jQuery, Bash scripting, MySQL, flot, Redis, nginx, uWSGI, PyLucene, qunit, unittest, httperf, Linux, Linode, Google App Engine, git, vim.

Product Manager @ troove Inc – Vancouver, BC / Mountain View, CA   **Feb 2008 – May 2009**

- Worked with 2 founders and 4 developers to take 'troove Coin', a QuickBooks alternative (and more) web app from conception through several internal iterations.
- Analyzed numerous products in this space for features, positioning, and marketing strategies.
- Managed the priorities of product features.
- Put on my developer's hat to write an automated QuickBooks exporter tool using: Java, Jawin, Win32 Api, JAXB, Apache CXF, QuickBooks Web Connector.

Software Engineer @ troove Inc – San Jose, CA   **Sept 2005 – Apr 2007**

- Shipped 'troove Search', an innovative enterprise search appliance, as part of an 8-person startup.
- Worked on all aspects: UI, searching, indexing, crawling databases, RDF/OWL models, appliance deployment.
- Made key contributions to shipping beta appliances for Google's Moneta (billing advertisers), Caltech's Oracle Financials, and Altera's custom issue tracking SQL Server.
- Customized Hibernate and Lucene (search query parsing, indexing, multi-threaded searches).
- Performance tested and profiled using Grinder and YourKit, while introducing automated stress tests.
- Also used: Java, Spring Framework, XSLT, XML, SAX, Protege, JavaScript, CSS, JUnit, Log4j, Ant, Subversion, continuous integration, Jetty, Eclipse, Linux, Oracle.

Software Consultant @ troove Inc / 24 Hour Fitness – Carlsbad, CA   **** Oct 2006 – Feb 2007**

- ** Due to venture capital setbacks, I helped with self-funding while working nights on 'troove Search'.
- Billed 627 hours consulting on-site at 24 Hour Fitness (traveled frequently between Carlsbad and San Jose).
- Worked with a 30-person team on their membership agreements app, end-to-end (signature capture input, user interface, backend web services, database, profiling/performance testing).
- Used: Java, Hibernate, Spring Framework, Flex, ActionScript, Oracle PL/SQL, Apache Axis, JasperReports, Maven, Subversion, Eclipse, Grinder, YourKit.

(Co-op) Software Engineer @ Nitobi – Vancouver, BC   Jan – May 2005

- Developed and debugged cross-browser JavaScript components, leveraging client-side XSLT.
- Worked closely with the marketing manager on sales and marketing.

(Co-op) Software Engineer @ Rogers Wireless – Vancouver, BC   Apr 2003 – May 2004

- Developed a mapping and reporting app for gigabytes of GSM diagnostic data.
- Solved an Automation bottleneck using MapPoint Add-in + .NET Remoting to perform drawing functions 6x faster than known (via Google) implementations.
- Contributed key content to a successful proposal for $30,000 in microcell upgrades.
- Used: C#, Windows Forms, .NET/COM Interop, MySQL, XML, MapPoint, MapInfo, Perl, C++, Win32 Api.

(Co-op) Software Engineer @ Kvaerner Chemetics – Vancouver, BC   Jan – Apr 2002

- Developed Perl scripts to monitor their Millwide Information & Optimization System.
- Designed and created a website for their product.

Education

Simon Fraser University – Vancouver, BC   Class of 2005

- 3.83 GPA (4.00 = A). BSc Joint Major in Computer Science & Business Administration.
- Summit Scholarship, AGF Financial Life Skills Scholarship, Dean's Honour Roll.
- Secured $5,000+ in sponsorships from 6 sources for students to attend the Canadian Undergraduate Technology Conference in Toronto. Interviewed/selected attendees and organized transportation/reservations/payments.

References Available Upon Request