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## EXPERIENCE

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*Please note that all the contracts below since 2007 were done remotely from Seattle.*

Jun. 2011 – current                      Soule Mobile    Austin, Texas  
*Software Engineer/Contractor*

- Currently working on an Android application for honeycomb tablets and Android phones using fragments and the Android Compatibility Library (ACL).
- Completed an Android point of sale (POS) application using the Roampay credit card swiper and Monetra online credit card processing company.  
(<https://market.android.com/details?id=com.bestfitmobile.netsecure>)

Mar. 2011 – May 2011                      Mastronardi Produce Ltd.    Ontario, Canada  
*Software Engineer/Contractor*

- Created an iPhone and iPad catalog application for them. This was different from the previous engagement in that the catalog could be updated and synced up remotely from a website. Used Dropbox to sync up the images and CouchDB to sync up the catalog information. Also created the CouchDB database and website to allow administrators to update the catalog.

Nov. 2010 – Jan. 2011                      Bohac Consulting Services, Inc.    Tucson, AZ  
*Software Engineer/Contractor*

- Created an Android GPS tracking application and integrated that application with a website. Also built the website. Created a phonegap flow calculator application for iPhone.

Sep. 2010 – Oct. 2010                      Mastronardi Produce Ltd.    Ontario, Canada  
*Software Engineer/Contractor*

- Created an Android application that allows sales personnel to search their Sunset Produce catalog and email product pdfs to prospective clients. This app was ported from an iPhone application. Took over and completed the iPhone application from another developer.

Feb. 2010 – current                      MyCellTracker    Seattle, WA  
*Owner/Software Engineer*

- Created an Android application that allows users to find their lost cell phones. Integrated the cell phone app with a website (<http://www.mycelltracker.com>) that allows users to track their cell phones with Google maps. Heavy use of jQuery. Reached 18,000 downloads of the application as of August, 2011.

Sep. 2009 – Feb. 2010                      cozybit inc.    San Francisco, CA  
*Software Engineer/Contractor*

- Created servlets and plugins in java and scala for the Openfire xmpp server.
- Created flash application using ActionScript3 to capture images with webcam.

- Created iPhone application using objective-C to capture QR codes and validate users against Openfire servlet.
- Created django application using python to register users into Openfire xmpp server and integrated the flash and iPhone applications above into the django registration app.
- Created a windows installer using NSIS open source software and also wrote a bash script which allowed us to dynamically create the windows installers with custom customer information.

Jul. 2009 – Nov. 2009                      Maxtrack    Santa Catarina, Brazil  
*Software Engineer/Contractor*

- Wrote a Windows Mobile 6.1 professional application that gets gps location and sends them to a web server at intervals. The application also displays the current user location using Google maps. Written in C#.

Mar. 2009 – Apr. 2009                      OpenGTS    Arkansas  
*Software Engineer/Contractor*

- Created an iPhone application to track users for the OpenGTS project on Sourceforge. GPS locations are displayed on the iPhone using mapkit and Google maps and also sent to a web service. Written in objective-c.

Jun. 2009 – Jun. 2009                      Revelation Media    Marysville, WA  
*Software Engineer/Contractor*

- Created a website using DotNetNuke and C# for creating PDF baptism certificates on the fly and helping people locate churches by geographical searches. Also created private pages to manage churches, pastors and new church attendees. Created on the fly PDFs with iTextSharp open source software.

Aug. 2006 – Aug. 2008                      All Pride Sweeping, LLC    Kent, WA  
*Software Engineer/Contractor*

- Created a web-based application used to schedule sweeping trucks and determine job costs. Integrated GPS enabled cell phones and Google maps into the app. Wrote a java application using j2me for tracking GPS and managing routes. Used SQL Server 2005 on the backend, C# on the business tier and Yahoo YUI on the client tier. Built the system using DotNetNuke content management system and integrated the website with PayPal Subscriptions. Created a route optimization system written in C++ based on MACS-VRPTW algorithm (Gambardella, 1999).

Jun. 2008 – Jul. 2008                      Burley Management, LLC    Issaquah, WA  
*Software Engineer/Contractor*

- Created an electronic forensics application. The application opens Microsoft Outlook message stores (.pst files) and iterates through all the emails and stores the emails in SQL Server 2005. The application is written in C++ using the Messaging API (MAPI).

Nov. 2007 – Feb. 2008                      Kiewit Corporation    Vancouver, WA  
*Software Engineer/Contractor*

- Created a windows-based application that parses raw surveying data files. Heavy use of XML. Created text output and reports based on results of surveys. Application written in C#.

Aug. 2007 – Jan 2008      Elite Motorsports      Kent, WA  
*Software Engineer/Contractor*

- Created a web-based inventory system for car dealership. Also handles loan management. Written in C#, Ajax/JavaScript and SQL Server 2005.

Apr. 2001 – Aug. 2006      Public Storage      Glendale, CA  
*Software Engineer/Contractor*

- Designed and created a tax maintenance windows application for setting taxes at Public Storage facilities using C#.
- Designed and created a collections ASP.NET application to collect on past-due rent using C#.
- Designed and created a Helpdesk system to handle calls from their 1,500 properties. The program increased their efficiency and allowed them to double the number of calls handled to 7,000 calls per month (VB.Net/ASP.Net/SQL Server 2000).
- Designed and wrote 2 tools using C#, the first was for monitoring of remote file systems. The second was to monitor website connectivity using the .Net class library.
- Designed and implemented interfaces between their new web-based point of sales system and their offsite collection company.
- Built an automated email system to send reservations to all properties and customers of Public Storage using VB, SQL Server 2000 and SMTP Server.
- Maintained and upgraded their capital expenditure and customer service systems using ASP and SQL Server 7.
- Was part of 30 person team which created WebChamp, the web-based retail application used in all public storage facilities.

Mar. – Apr. 2004      Universal Studios      Studio City, CA  
*Software Engineer/Contractor*

- Created an automated data conversion process to convert Canadian movie title data into the Universal Studio title database using SQL.

Feb. 2003      Deloitte Consulting/Nestle      Glendale, CA  
*Software Engineer/Contractor*

- Created a demo for Nestle corporation using C# and ASP.Net. The demo was used to show personalization with their LeanCuisine product line.

Jan. 2000 – Apr. 2001      Stellcom      Los Angeles, CA  
*Software Engineer*

- Design and discovery of Digital Island's content rewriter tool. Designed and implemented XML configuration classes and files using Java and JDOM. Designed and implemented file system filter classes using Java and regular expressions.
- Design and implemented a wireless voiceXML application using Voxeo voice infrastructure, ASP, COM and SQL Server 2000. Enabled users to call into a web-based application and place orders using voice. Implemented an application that allowed companies to track UPS orders on their website rather than directing users to the UPS site. The application used ASP, VB/COM and the WinInet API.

Sep. 1999 – Jan. 2000      Toyota Motor Sales      Torrance, CA  
*Software Developer*

- Worked on Y2K deployment team on Toyota's 10,000-user intranet.
- Enhanced and debugged Viasoft's Onmark2000 Y2K product. Redesigned their Active

Server Page interfaces to use Microsoft Remote Data Services and Dynamic HTML. This resulted in significantly faster response times and lessened the use of resources on servers.

Sep. 1997 – Sep. 1999      University of Southern California      Los Angeles, CA  
*Data Manager/Developer*

- Design and implementation of databases for cancer studies in the Department of Preventive Medicine using Visual Interdev, Microsoft SQL Server 6.5 and 7, Active Server Pages (ASP), Access, SAS, VBScript, JavaScript and HTML.
- Designed and implemented a website for the California Twins Program. This included web pages on an NT/Internet Information Server (IIS) connecting SQL Server to the Internet as well as to many forms used for patient tracking within the campus intranet.
- Responsible for implementation and tracking of large questionnaire mailings to California Twins. Supervised a full-time worker and part-time workers when needed.

1997      Disney Marketing      Burbank, CA  
*Database Programmer*

- Designed and implemented a Microsoft Access database for use in product tracking.

## EDUCATION AND CERTIFICATION

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2000      Pasadena, CA

- Sun Certified Java 2 Programmer.
- MCSD - Microsoft Certified Solution Developer.
- MCSE - Microsoft Certified System Engineer.
- MCP + Sitebuilding - Microsoft Certified Professional + Sitebuilding.
- MCP + Internet - Microsoft Certified Professional + Internet.

1996      California State University, L.A.      Los Angeles, CA

- M.A., Computer Education.
- 4.0 GPA.

1992 – 1993      California State University, Fullerton      Fullerton, CA

- Clear Single Subject Teaching Credential in Physical Science.
- Supplementary Authorization in Mathematics.

1980 – 1985      University of Colorado at Denver      Denver, CO

- B.A., Chemistry, American Chemical Society Certified.
- Minor, Physics.
- President of Student Senate in senior year.

## SKILLS

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Working knowledge of:

- Android, objective-C, jQuery, C#, JavaScript, Ajax, Java, PHP, Wordpress, j2me, XML, SQL, .NET, CSS
- Design and implementation of 3-tier business applications

- MySQL, Microsoft SQL Server, PostgreSQL, couchDB
- Apache web server, Microsoft Internet Information Server, Openfire XMPP server
- Variety of operating systems from linux, unix, windows to mac.
- Eclipse, Xcode, Visual Studio 2008 professional and Netbeans

I have strong problem solving and troubleshooting skills (both electronics and mechanical systems) gained from years of experience in scientific research and industrial settings.

#### OPEN SOURCE SOFTWARE

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Created an application to track GPS enabled cellphones on Google maps. The app on the phone was written in Java (J2ME). Wrote 2 different web apps, one using C#/.NET and Microsoft SQL Server and the second using a LAMP stack with PHP and MySQL.

The software has been downloaded 250,000 times as of August, 2011

<http://sourceforge.net/projects/gpsmapper/>