

Nick Fox
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EXPERIENCE

To see samples of my code, please visit my github repo: <https://github.com/nickfox/GpsTracker>

Dec. 2014 – May 2015 SkySafe Brisbane, Australia
Software Developer

- Built a realtime collision detection system for small airplanes. This system allowed pilots to be warned of other planes nearby using gps. The application was built for android and included a website. The collision detection engine was built as a stored procedure in mySQL. This was the coolest piece of software I've ever written.

Apr. 2015 – Apr. 2015 Promotion Services Detroit, IL
Software Developer

- Built an android and iphone app that allowed attendees of a car rally in Southern California to track other attendees. Also built the website that allowed attendees to view others.

Jun. 2014 – Nov. 2014 Gps Tracker for WordPress Seattle, WA
Software Developer

- Created the Gps Tracker for WordPress plugin that allows users to track Android cell phones in real time and store routes for later viewing. This is the only gps tracker in the WordPress plugin store. I consider this plugin and the Android companion software I wrote to be the most complex and best software I have ever written. You can check out the code by downloading the plugin here:
- <https://wordpress.org/plugins/gps-tracker/>
- You can check out the Android software I wrote that works with the plugin here:
- <https://github.com/nickfox/GpsTracker/tree/master/phoneClients/android>
- Please check out the quality of my code. I would be happy to do a code review and discuss how and why I wrote the software.

Sep. 2004 – current Gps Tracker Seattle, WA
Software Developer

- Created the Gps Tracker software that allows users to track iphone, android, windows phone and java me phones on either php or .net server platforms. The software gets downloaded from sourceforge about 5-10 thousand times per week.
- Has been downloaded over 1.8 million times:
<https://sourceforge.net/projects/gpsmapper/files/stats/timeline?dates=2005-09-07+to+2015-09-13>
- Has been awarded “Software Project of the Week” on Sourceforge four times.
- <https://www.websmithing.com/gps-tracker>

Sep. 2013 – Oct. 2013 Glitchbot, LLC San Jose, CA
Software Developer

- Worked on an iphone and android app for an international corporation through Glitchbot. Doing bug fixes on both platforms, bringing old code up to current coding standards and preparing the iphone app for ios 7. I am under a strict non disclosure

agreement and cannot give any further details of the project but it's a brand that just about anyone would recognize.

Aug. 2013 – Sep. 2013 Complain Less Seattle, WA
Software Developer

- Created a simple android and iphone application to track the number of days a person can go without complaining.
- <https://play.google.com/store/apps/details?id=com.websmithing.gpstracker>
- <https://itunes.apple.com/us/app/complainless/id686900838>

Aug. 2012 – Aug. 2013 Gap in software work Seattle, WA

- I took a year off from writing software and built a house by myself with no contractors. *By far the most useful and satisfying thing I had done in years.*

Mar. 2012 – Jul. 2012 Taposé Seattle, WA
Lead Developer/Contractor

- Took over development of an iPad application from a foreign firm and supervised three developers. Troubleshoot application extensively, improving memory performance and got rid of hundreds of errors in the application.
- This application reached **number 4 in sales** in the itunes market.
- <http://itunes.apple.com/us/app/tapose-collaborative-content/id483146060?mt=8>

Sep. 2011 – Mar. 2012 Flytecraft LLC Seattle, WA
Software Engineer/Contractor

- Created an iPhone application that allows users to calculate baggage fees and to obtain baggage fee allowances. The application deals heavily with a raw soap webservice (without wsdl).
- <http://itunes.apple.com/us/app/iflybags/id503967641?ls=1&mt=8>

Jun. 2011 – Sep. 2011 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://play.google.com/store/apps/details?id=com.NetSecure.KudosMobile>

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 20,000 downloads of the application as of March, 2012.

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.

1996 Pasadena City College Pasadena, CA
Programmer/Developer

- Designed a library resources database using Microsoft Access and Visual Basic. Wrote an accompanying Windows help file.

1993 - 1996 California School Districts CA
Science, Math and Computer Teacher

- Taught a number of courses at Northview Intermediate School, Rancho-Starbuck Middle School and Troy High School. Courses taught were Chemistry, Oceanography, Gifted and Talented (GATE) science, Intro to Computers, Mathematics and General Science.
- Took Northview to the Science Olympiad and placed in four events.

1990 – 1992 Chevron Research Company Whittier, CA
Associate Research Assistant

- In charge of lab studying acoustical properties of rock core drilling samples. Participated

in conversion of PDP-11 computer system to window-based system using LabView (<http://www.ni.com/labview>).

1989 – 1990 Philips Components Glendale, CA
Senior Research Technician

- Designed and tested multi-layered capacitors in an industrial setting. Tested and repaired 400V - 400W furnaces that were live. Trained personnel in the use of test equipment.

1987 – 1989 Stanal Sound N. Hollywood, CA
Live Sound Engineer

- Set up, troubleshoot and ran large P.A. systems (front of house and monitors) in arenas and theaters. Worked on shows and concerts up to 200,000 people in size. Once did front of house sound for an HBO special doing 50 bands in a row (Diana Ross and others) without a sound check between bands.

1977 – 1989 Independent Contractor Around the World
Live Sound Engineer and Stagehand

- Worked for over 1000 bands over a 12 year period doing front of house sound and monitors. Began my sound career in Munich, Germany as a stagehand (when I was 17) and worked for many well-known bands such as AC/DC, Queen, Supertramp and Rod Stewart.

EDUCATION AND CERTIFICATION

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

Working knowledge of:

- Android, ios, jQuery, C#, JavaScript, Java, PHP, Wordpress, java me/j2me, Sql, .Net
- Design and implementation of 3-tier business applications
- MySQL, Microsoft SQL Server, PostgreSQL, couchDB

- Nginx, Apache web server, Microsoft IIS, Openfire XMPP server
- Android Studio, 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.