

DAVID HOMES.

iOS & Android Developer. OCPJP 6.

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WEB: www.TheMobileEngineer.com

COMPLETED APPS:

On the web: www.TheMobileEngineer.com

iPhone / iPad: <http://bit.ly/Tvy0gH>

Android: <http://goo.gl/iueEN>

Amazon: <http://goo.gl/u56o8>

BlackBerry 10: <http://goo.gl/W4UrC>

TECHNOLOGY RELATED EXPERIENCE

- **Mobile Application Developer: RedLink Systems, CA.**

Maracaibo, Venezuela. Oct 2013 – Present.

Developed iOS location-aware applications for the international market. Technologies employed: Apple Maps, Google Places, CLLocationManager, JSON, Git.

- **iOS & Android Programmer: The Mobile Engineer, LLC.**

Maracaibo, Venezuela. Sep 2011 – Sep 2013

Developed mobile engineering applications for the professional & educational markets. Apps are currently available in iTunes App Store, Google Play, Amazon App Store & BlackBerry App World.

- **Co-Founder & Programmer: IPROBLUE® Tech.**

New Jersey, USA, Feb 2011 – Aug 2011

Worked as lead iOS developer, project planner, consultant to CEO. Developed AppKurz, a semi-automatic App generator. Developed Apps for IPROBLUE® Tech & Fall Proof Network Systems. Remotely managed OSX Server.

- **Independent iOS Developer.**

Maracaibo – Venezuela. Aug/08 – Feb/11.

Developed series of engineering application for professionals and students for iPhone / iPod touch / iPad. Use of SQLite3 databases, QuartzCore, CoreLocation, CoreGraphics, CoreLocation, UIKit / Foundation Apple frameworks.

- **PROJECT ENGINEER (Contract). SEGACO / PDVSA.**

Maracaibo –Venezuela. Dec.03/07 – March.03/08. "Assessment, adaptation and installation of Babel Enterprise Security Assessment System". Project involved the use and modification of open source project Babel Enterprise for HP-UX, Solaris & Debian,

as well as programming custom designed tools to automate security assessment tasks under these Operating Systems..

- **ENGINEER, STRUCTURAL AND THERMAL CONSULTING SERVICES.**

COMPUTATIONAL DYNAMICS – ADAPCO (www.cd-adapco.com).

Melville – New York. Feb. 06 – Dec./06.

Worked as consultant providing computer simulation services (via Finite Element Analysis) to clients such as Conoco-Phillips, Magna Closures, General Electric, Ford, Volvo/Mack. Used engineering simulation tools such as ANSYS / APDL, ABAQUS, LS-Dyna, ADAPCO's Pro-fe under Unix/Linux. Work involved daily use of IBM-AIX/Linux bash scripting, APDL & Fortran programming.

- **PROGRAMMER (CONTRACTS). American Institute to Steel Construction**

Gainesville – Florida – USA. 2003 & 2005.

Developed the American Institute of Steel Construction's (AISC) Search Utility for Structural Steel Shapes. Version 3.1 (2003) & 13 (2005), The Utilities are now included in the AISC LRFD Manual of Steel Construction 3rd Edition (v 3.1) and AISC Manual of Steel Construction 13th Edition (v 13).

- **GRADUATE RESEARCH ASSISTANT (relevant to technology).**

University of New Orleans – New Orleans – USA. Jan.14/1999 – May.05/2004.

Developed pre-and post processed tools for CFD (computational fluid dynamics) in-house applications using .NET (VB.NET & C#). Also developed codes in VB6 & Fortran 77). Development of mathematical models, Pc and mobile software (Palm OS) to predict the behavior of secondary settling waste-water tanks.

SKILLS

- Programming: Objective-C, Java, Unix Bash, Fortran 77 & 90, C#, VB.Net, VB6. Advanced experience with multiple Operating Systems (MAC OS.X / Unix / Linux / Debian / Windows).
- Proficient in several Engineering Simulation tools (ANSYS / APDL / LS-Dyna / Pro-fe) & their programming languages (APDL, Fortran, Python).
- Highly skilled in Adobe Photoshop / Illustrator / Fireworks / Dreamweaver / InDesign. OmniGraffle Pro. Video editing & post-production for presentations.
- Bilingual (Spanish / English)

CERTIFICATIONS

Oracle Certified Professional, Java 6 SE Programmer.

STUDIES

- Certificate in Java SE 6 Programming. Rafael Beloso Chacín University. 2012.
- Ph.D. Candidate in Engineering and Applied Sciences. University of New Orleans. New Orleans, Louisiana, USA. 2004.
- Ms.C. in Engineering & Applied Sciences.
Major: Structural Engineering. Minor: Applied Math. University of New Orleans, New Orleans, Louisiana, 2002.
- Civil Engineer. Rafael Urdaneta University. Maracaibo, Venezuela. 1997.