**David Lucero**

**Mobile Security Analyst/Specialist**

**Summary**

Areas of expertise include: Security, Installation, System Functionality, System Implementation, Quality Assurance, Network Architecture, Automation, Lab configuration and maintenance.

Proficient in a number of programming languages such as Perl, SQL, TCL/TK, PHP, XML, JAVA, and Python.

Efficient, analytical, problem-solving, and decision-making skills.

The ability to solve complex problems and provide working solutions. Aptitude to assist others in utilizing productive testing techniques, and developing proven quality standards. Work well under pressure.

**Education, Certification & Training**

• Bachelor of Arts in Fine Arts, California College of Arts and Crafts, Oakland, CA, 1988 – 1993

• Associate of Arts in Graphic Design, Mission College, Santa Clara, CA, 1986 - 1988

• SEC575-**Mobile Device Security and Ethical Hacking**

• Scrum Alliance Scrum Master Training

• IBM - WebSphere, DB2, AIX and Eclipse Operations Training

• Cisco Systems – Cisco IOS (Internet Operating System), CIOSS (Cisco Proprietary Language based on IOS), and SSG (Dynamic IP Filter and Router) Operations Training

• Openwave - WML Protocol Training

• Adobe - Management Training, Intro to Java, Intro to XML, Adobe Integration with C++ Training

• Received GIAC **Mobile Device Security certification (GMOB)**

**Professional Experience**

**via Inc**

**visaInc.**

**foster City CA. dec2013 mar2014**

**uber mobile bounty program remote july2015- august2015**

**found issue involving spoofing using burp suite**

**worked with developers over the phone to secure certificate management. resolving the issue**

**, foster City, ca Dec 2013 – mar. 2014**

**Senior Mobile Security specialist/Manager – Projects**

**• visa On-site - visa Mobile Security**

• worked with party developers using connect SDKs

• dibotpeaches.github.io/Apktool/

• filed attestation report with any security issues

• iOS – Integrated B.A.T. test scripts and framework into Jenkins C.I. build environment

• iOS – Integrated image recognition and evaluation into the automation framework

• Android – Worked with management and off-shore teams to priorities and define test cases for manual testing effort

• Android – Worked with management and off-shore teams to define testing through-put and daily execution goals

• Android –decompile submitted ape's using apktools import into eclipse review code and small insure visa connect idk guidelines. provide attestation report tp stakeholders modify code recompile and sign show any proofs of concepts or mediations provided in report tools used

• apktools kali burp suite wieshark python java

• insureAndroid – Worked with management and off-shore teams to define and manage all bugs reported

• Android – Established weekly triage meetings

• Implemented Agile methodologies for both Android and iOS which included, user stories, acceptance criteria and daily stand-ups

• Informed P.A.C.E. team of any new security threats across all mobile platforms and any needed mitigation

**Good Technology, Sunnyvale, CA Dec 2010 – Aug 2013**

**Mobile Device Security Analyst**

• Contributed to Common Criteria certification

• Contributed to Secure Development Lifecycle process

• Created and maintained root and jailbreak matrix for both iOS and Android

• Monitored several web sites and blogs for the latest Zero-Day and malware exploits

• Provided proof of concept for issues effecting Good for Enterprise

• Reviewed all outside pentests and provided feedback to the security team, if this was an actual issue or not

• Contributed to the creation of Data Flow Diagrams, using S.T.R.I.D.E methodology, would create test cases to insure all new features were secure

• Worked with Sales Engineering to answer any security questions from customers

• Worked with several potential partners on proof of concept such as Lookout, Metaphoric and ViaForensics

• Before each release would perform a series of end to end pen-tests to insure there were no security regressions

• Provided Encrypted XML regex based files for whitelisting and blacklisting of applications

• Completed SEC575-Mobile Devise Security and Ethical Hacking

• Received GIAC Mobile Device Security certification (GMOB)

**Good Technologies, San Bruno, CA Jun 2010 – Dec 2010**

**Senior Quality Assurance –Android Lead**

• Developed test plans and test cases for all new android features

• Directed team of nine with five in Beijing, two in Tianjin, one in Warsaw and one local

• Held by-weekly phone and video conferences with foreign contributors

• Working with the group created and assigned scheduling and tasks, and placed them in Rally (agile management tool)

• Worked closely with developers and product management to issue test coverage was time conscience and complete

• Participated in daily stand-ups, also would report and represent the foreign contributors

• Provided talks on latest Android tool and how they could be effectively used for testing

• Assisted tool group with providing automation for Android

• Monitored several web sites for latest devices and root kits, to insure root detection

• Maintained Android testing wiki

• Received scrum master certification through Scrum Alliance

**Expresso Fitness Sunnyvale, CA Jul 2008 – Feb 2009**

**Quality Assurance Manager Software Group**

• Managed the Software QA dept. for virtual, internet connected, exercise bikes: http://expresso.com/

• Installed, integrated and maintained test management system.

• Initiated weekly meetings with VP of software and lead producer giving detailed reports of ongoing QA testing schedules, risk analysis, testing tasks and coverage

• Helped with the port from Windows based Render ware, Direct X graphics to Linux based propriety rendering engine using OpenGL

• Worked with artists in to insure all artwork and animation was exported from Maya, rendered correctly and called correctly from LUA scripts.

• Setup and maintained QA wiki with current QA status

• Provided certification testing for: motherboards, memory, hard drives, graphic cards, wireless card and WLAN access points

• Provided automated scripts for web based portal testing ruby and selenium.

• Provided automated scripts for bike based testing using ruby, perl, bash, and UNIX tools (such as gdb)

• Deployed J2EE based (Apache Geronimo) web portal to testing sandbox based on developer notification

• Worked with outside contractors to reconfigure testing lab to provide a more productive and safe testing environment

• Maintained bug database to insure timely reporting, closure, severity, priority and assignment of all bugs

• Conducted by-weekly bug scrubs with developers and artists

• Created test cases and test plans for all software components

• Reviewed design and technical specifications

**Devicescape Software, San Bruno, CA Jan 2007 – Feb 2008**

**Senior Quality Engineer**

• Responsible for client testing on all supported platforms covering: Windows XP, Windows Vista, Macintosh Tiger, Macintosh Leopard, Apple iPhone, Windows Mobile 5 and 6, Nokia Symbian 3rd Edition, Nokia Internet tablets and Linksys WIP300 VIOP phones

• Developed and demonstrated knowledge of Wireless Zero Configuration, Native Wi-Fi, Airport, and Nokia hotspot framework

• Wrote test plans and test cases for all supported Devicescape platforms

• Administered test sets and sessions using Aptest test management software

• Maintained QA wiki for all client projects

• Tested web and database backend using Junit tools

• Set up, configured, and maintained various WLAN access points

• Worked with testing house to insure first Symbian Signed and Nokia Download certification

• Developed and demonstrated knowledge of wireless security

• Deployed Hibernate (JBoss) based web portal to QA test bed on developer notification

• Provided Product Management weekly with testing schedules, risk analysis, testing tasks and coverage

**Cloudmark, San Francisco, CA Jun 2004 – Jul 2006**

**Senior Quality Engineer**

• Guaranteed quality of all spam/phishing Cloudmark products, including Unix/Linux Gateway enterprise software, sdk for windows, UNIX/LINUX, small business plug-in for Microsoft Exchange, and Windows consumer plug-in for Outlook and Outlook Express

• Wrote test plans and test cases for all Cloudmark products

• Automated C, C++, Perl and UNIX scripting languages for enterprise products

• Utilized .net framework for windows consumer products

• Set up, installed, and maintained Mail Transfer Agents including - Send Mail, Openwave (formally Software.com), Postfix and Exchange for end-to-end testing lab

• Installed and maintained LDAP for Microsoft Exchange, Openwave and Lotus Notes for end to end testing lab

• Troubleshoot customer issues and complaints

• Assisted Sales Engineers in trails and installation of enterprise products

• Provided Product Management weekly with testing schedules, risk analysis, testing tasks and coverage

• Handled installation and maintenance of compatibility testing lab

• Developed databases

• Studied and analyzed new phishing and spam threats

**Openwave Systems, Redwood City, CA Dec 1999 – Jan 2004**

**Uber mobile bounty program**

**Senior Quality Engineer**

• Assembled, tested and maintained Mobile Access Gateway on Aix for TIM Peru (Lima, Peru), Mobile Access Gateway for IBM (Raleigh North Carolina), Mobile Access Gateway with Cisco Systems for proof of concept, interoperability (Raleigh, North Carolina), and Unified Messaging System for British Telecommunications (Hong Kong, China)

• Configured and maintained end-to-end testing lab

• Wrote test specifications, test plans and test cases – collaborated with various developer on a variety of mobile web products

• Administered production of automation scripts, via Perl, SQL, Winrunner, Silk, YATT, TCL/TK, and C++

• Tutored and trained quality Engineering Staff and Openwave partners

• Provided assistance Professional Services, Field Engineers, and consultancies

• Created and developed Perl and SQL based script for post migration database testing - lessen testing time by 50%

• Products worked on include: Migration Tool, Mobile Access Gateway, Mobile Homepage Manager, Multimedia Messaging Gateway, Push Proxy Gateway, Mobile Web Services, Mobile Web Portal, and Unified Messaging