Abad Vera

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Profile

Highly motivated and goal-oriented young professional, committed to pursuing a long term career as an iOS Developer where one can apply the technical skills acquired and challenge the mind of an individual in a growth oriented environment.

Experience

iOS Contributor, Topcoder.com – 2014-Present

Helped with software development challenges, specifically for iOS. The apps developed were for both the iPhone and iPad. These challenges involved the use of REST web services, integrating third party APIs (Ex. alamofire), custom animations and UI elements.

Engineering Technician, Tamura Corporation of America; Escondido, CA – 2013-Present

Work directly with Design Engineer and help out with revising schematics, assembly drawings, building prototype units, and testing/troubleshooting prototype units (including DVT testing). Other duties carried out, among other things, are writing test programs for Chroma ATE system, setup/maintenance of lab, ordering parts from BOM or lab equipment, BOM costing, traveling to manufacturing site to provide support to manufacturing team, and make testing fixtures with minimal instructions from engineers. The tools used to accomplish these tasks are an oscilloscope, multi-meter, variable power supply, signal generator, LCR meter, power meter, variac, microscope, soldering iron, Chroma test program editor, mechanical tools (i.e. drill, drill press, band saw, etc.), Microsoft Office, and OrCAD software tools (Schematic Capture, PSPICE, and PCB Editor).

iOS Developer, Boomspur – August-September 2015

Helped development team with final touches of their iOS app. This involved connecting back-end services, making UI changes to incorporate Auto-Layout and make the app look modern, use of Adobe Illustrator to make UI elements, and resolving bugs.

iOS Developer, Contribution App – May-June 2015

Created and app for a friend of mine. The purpose of the app was to keep track of those helping out in the contribution area and also to find out who was going to volunteer at a later time. It interfaced with a remote database of names and contact info of these people. The app kept track of people by reading QR code on their name tag. Since this was for my friend and was supposed to be handled by a small amount of people, the app was never to be published on the App Store.

Electronic Technician, CTDI; Vista, CA – 2013-2013

Main task was to troubleshoot at component level and repair set top boxes from company clients (major cable TV providers). The tools used were oscilloscopes, spectrum analyzers, and multimeters to analyze the analog, digital and RF circuitry of units and diagnose the problem. A soldering iron and heat gun were used to repair the damaged components (through hole and SMD). Was able to troubleshoot effectively although minimal training was provided due to the lack of senior technicians; passed the knowledge obtained to new

technicians. In order to effectively troubleshoot units the schematics for each model, assembly drawings, and electrical theory were used.

RMA Technician, Quake Global; San Diego, CA – 2012-2013

Responsible for troubleshooting at a component level analog, digital, and RF circuitry of customer returned units. Also maintained detailed documents for each returned unit, which contained detailed information as to what the problem was, the root cause of the problem, and how to prevent the problem from occurring again. Was able to reduce turn around time for customer returned units down to 6 days, kept all paper work organized, and kept up to date records of all returned units (mapped common failures for each model, each quarter and manufacturing date). Other duties taken care of were setup/maintenance of repair lab and production areas, and calibrate test stations. Multitask we in order to help other departments with prototype assembly/disassembly, wire harness assembly, and troubleshooting of prototype PCBs. Also provided feedback for assembly or schematic changes. The tools commonly used were an ATE, multi-meter, oscilloscope, power supply, spectrum analyzer, signal generator, microscope, soldering iron, and Microsoft office.

Electronics Technician 1, Cobham; San Diego, CA – 2010-2011

Tuned and aligned circuitry into specification compliance by adjusting and modifying circuit elements precise fine movements. Other tasks carried out were calibrating test stations and identifying potential production issues, including manufacturing defects, troubleshooting at component level and drafting recommendations. Due to quick and effective testing and troubleshooting, was able to help company catch up on orders that were a few months behind. The tools used on a day to day basis were a microscope, vector and scalar network analyzer, and multi meter.

Education

ITT Technical Institute; San Diego, CA – Associates of Science, 2009

Skills

~ Knowledge of Objective-C and Swift (including Swift 2.0) ~ Experience in use of Xcode ~ Experience in use of Interface Builder ~ Experience in Auto Layout ~ Experience in iOS SDK ~ Experience in CocoaTouch specially UIKit ~ Experience in REST services and 3rd party APIs ~ Experience in GIT for version control ~ Troubleshoot and analyze to find root cause ~ Can read and understand schematics and assembly drawings ~ 4 years of soldering experience including SMD; can solder down to 0402 package size ~ Experience with Windows Operating Systems and Microsoft Office (Word, Excel, Power Point, and Outlook) ~ Can operate: multi-meter, oscilloscope, variable power supply, spectrum analyzer, power meter, thermal chamber, signal generator, scalar & vector network analyzer, hi-pot tester, ground continuity tester, microscope, LCR meter ~