**Austin Denofrio**

Madison, NC 27025

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Embedded SW QA professional specializing in Bluetooth communication, App/Wi-Fi, and Globally sourced products. My passion is for Software development, with a particular interest in IoT, APIs, and other app-related skills. I thoroughly enjoy problem-solving everything related to software.

**Experience**

**Digital Repository Documentation Specialist September 2023 – February 2024**

*Akkodis – Greensboro, NC*

*7300 W Friendly Avenue Greensboro, NC 27410, USA*

Job Description

Collaborated with Gilbarco in the transition of all legal documents from paper copies to a cloud-based repository. Provided support in the uploading, validation, and verification processes of contracts.

* Sorting contracts based on contract validity in SharePoint.
* Safe handling of confidential legal documents for transition from cloud locations.
* Uploading Contracts to Ironclad.
* Validating AI upload accuracy and making corrections.

**Embedded Software QA Engineer April 2022 – September 2023**

*Akkodis – Louisville, KY*

Job Description:

Performed black box, gray box, and some white box testing on various products, including Advantium, Wi-Fi and Bluetooth, Backlighting and Task lighting, and OTA. Collaborated closely with the development team to validate requirements and develop comprehensive Testplans for requirement coverage and bug detection. Engaged with the electrical team to devise a loadbox tailored for the Advantium product line, addressing all QA needs, and ensured proper wiring and configuration using the NI DAQ system. Contributed to the Wi-Fi team by conducting regression testing on a new Wi-Fi and Bluetooth Realtek board configuration. Played a significant role alongside the OTA team, validating releases and ensuring the reliability of pulling versions from the cloud.

* Manual Testing performed on completed appliances or on proprietary loadbox configurations.
* Manual level testing with IOS and Android devices, SmartHQ, and their functionality with the appliances.
* Develop GUI and functionality for interacting with DAQ System and interacting with the Loadboxes with LabVIEW.
* Automation regression processed created and run on TestStand. TestStand was used to call code created in LabVIEW.
* Work closely with developers to ensure functionality and testing aligns with the requirements.
* Testplan development using Atlassian Confluence.
* Ticket testing and creation using GitHub and ZenHub and linked tickets to Confluence.
* Scheduling and Communication on Slack, MS-Outlook, MS-Teams, MS-Calendar.
* Microcontroller flashing with Renesas.
* Track data flow among multi-board system using private and public ERD. Used this data to isolate functionality and bugs.
* Used serial loggers, LabVIEW, and ApplCore to read GEA2 and GEA3 serial data between boards.
* Regressive white/gray box level testing of Realtek Wi-Fi and Bluetooth boards. This included: Logging, creating test plans, flashing by OTA and Ameba, and creating solutions for mock functionality.
* Collaborate with developers to create testing solutions for a novel competitive collaboration project for Advantium. This includes solutions for how to distinguish bugs in the competitor’s portion of the project from ours.
* Participated in the redesign of Advantium loadbox to include more comprehensive functionality testing of the product and design the loadbox to be used across multiple generations of Advantium projects.
* Manual testing on software to make sure that the touch screen display changes were properly updated with the latest software version via OTA and ensured that the touch to the display interacted and responded how it was intended with the UI.
* Manual testing Wi-Fi functionality on both iOS and Android tablets.

Accomplishments:

* Developed instructions for reimagining/Flashing Combo Modules a combination of serial logging app and a Flashing program. The Instructions than became the official document used by several departments for conducting flashing protocol.
* Developed documentation and relevant instructions for logging serial data using logging apps and purpose made breakout boards.
* Helped develop a new dynamic loadbox design to work with all Advantium products. This included: Verifying DAQ pin mapping,
* Development of QA test strategies for competitive collaborative products. Including bug isolation strategies on the Advantium which the competitor owned the MC and GE controlled the UI.
* Developed a board ID quick reference page on confluence that can be used to ID boards from multiply generations and give useful information like board history and application, how to positively ID, use cases, and links to necessary instructions or information.

Tools and Skills (Soft & Hard Skills):

* Ticket Management: GitHub, ZenHub
* Testplan Development: Cloud Atlassian Confluence
* Android SBC Flashing - Android Studios
* SBC Flashing – Command Line, CoolTerm
* MC Flasher – Renesas Flash Programmer, Ameba
* Serial Logging – CoolTerm, Command Line, Android Studio
* OTA Flashing
* Ability to Read CAD Schematics (Wiring and Board diagrams)
* Experience working in a Scrum Environment
* Excellent analytical and troubleshooting skills
* API testing
* Solid understanding of Bluetooth 2.1 and 4.0

**Head of Web Design 2023**

*Barbaric Dragon – Stoneville, NC*

* Create and manage all website design and content. Including static website, E-commerce portion, and server management.
* Work closely with the company’s CEOs to collaborate web design.
* Developed one design in Web Flow and model number two was intended to be designed in WordPress, but never completed.

**Education**

**Code Louisville Bootcamp January 2022**

Software Development

**Code Louisville Bootcamp April 2021**

Front End Web Development

**+MetaMission March 2023**

VR Web Development

**h January 2023**

Computer Science

**GED**

**Software Languages**

* C#
* LabVIEW (C based Graphical Language)
* Test Stand
* A-Frame
* Web Flow
* HTML
* CSS
* JavaScript

**Technical Skills**

* Atlassian Cloud - Confluence
* GitHub - ZenHub
* Microsoft Tools - Excel, Word, PowerPoint, Teams, Outlook, OneDrive, SharePoint
* Proficient with NI DAQ system
* Read CAD Schematics for electrical boards
* Interpreting/Reading/Correcting Electrical Schematics

**Soft Skills Languages**

* Project Management Skills
* Excellent Communication skills
* Time Management
* Teamwork in a fast-paced environment
* Complex Problem Solver

**GitHub:** <https://github.com/AustinAdamDenofrio>