Glenn Ballard

29 Clancy Drive, Dover NH 03820
(802) 356-0599
gdballard88@gmail.com

DEVELOPMENT PROJECTS

Summary Development Project Skills
- Maintain Bitbucket Git repositories and Jira Agile/SCRUM boards. Support technical information and inquires with clients. Record milestones/epics and prioritize release dates and branches. Familiar with entire project life cycle from design to maintenance/support.

Automated Report Analyzer
Lead Developer
- Replaced a human task with an automated tool written in C# using Visual Studio and .NET framework. The program is currently mature and used as a training platform for new students to familiarize them with support, bug fixing, QA testing, and client communication.

SDN Stress Simulator
Lead Developer
- Custom SDN stress testing program written in Python and Robot Framework utilizing OpenFlow. Client reported 9 critical weaknesses discovered upon first use and was able to develop 160 new test cases based on the ease of implementation. The project now is being expanded upon by new students.

SIP Network Simulator
Developer
- Program designed to simulate network traffic using SIP and only current SIPconnect certification v1.1 testing implementation. Primary development is on the test scripts written in XML and simulate a state machine. Perform live testing with clients and rapid debug.

TR-069 Test Scripts
Developer
- Test scripts written in Python and TCL used by an internal tool to test client TR-069 implementations for conformance and interoperability.

RELATED EXPERIENCE

InterOperability Laboratory – Durham, NH   **2015 – Present**
Software Developer
- Maintain multiple software projects as both a developer and a lead, on multiple agile teams
- Write in multiple software languages and scripting languages
- Develop test plans and scripts
- Experience full product life cycle from requirements to release
- Train and supervise new team members
- Assist in design and architecture of multiple programs
- Organize and maintain Jira backlog and sprints
- Edit and maintain multiple Git repositories with Bitbucket
- Present software demos both internally and externally
- Communicate with clients about requirements, support, bugs, and new features
- Program on both Windows and Linux/Unix systems
- Participate in internal hackathons
- Familiar with multiple internet protocols (DHCP, DNS, ARP, HTTP, SIP, IPv4, IPv6, etc.)

Test Technician
- Performed quality assurance testing on expensive prototype equipment
- Studied the physical and MAC layers of the OSI Model
- Created cable plants for network traffic
- Analyzed and debugged network problems
- Edited and manipulated data frames
- IOL Star winner

DEVELOPMENT EXPERIENCE

- Python
- Jira
- Git
- Linux/Unix

- C#
- Bitbucket
- XML/JSON
- .NET

- Agile
- Bamboo
- Java
- Robot Framework

ADDITIONAL EXPERIENCE

Introductory Python for High School and College Freshman – Durham, NH   **2018 – Present**
Lecturer/TA

Executive Advisory Board – UNH-IOL Durham, NH   **2017 – Present**
Board Member – Student Representative
- Participated in creation of student development strategies for industry
- Involved in strategic directions of UNH-IOL towards innovation and industry trends

United States Air Force – San Antonio, TX   **2012 – 2013**
Airman
- Trained in leadership and management skills
- Managed peers in high stress environments
- Maintained fast-paced work and organization

EDUCATION

University of New Hampshire - Durham, NH   **2017**
B.S. Computer Science   *GPA: 3.19*

University of New Hampshire - Durham, NH   **Expected: 2019**
MBA (Information Systems and Business Analytics Specialization)   *GPA: 3.83*