

# Justin Bennett

RESEARCH ENGINEER

250 S. Clinton St. Ste. 510, Syracuse, NY 13202

✉ justin@exceptiontech.com | 🌐 exceptiontech.com

## Profile

Enthusiastic engineer with extensive quality assurance and automation experience in a wide assortment of operational environments.

## Skills

<b>Technical Skills</b>	Continuous integration, automated testing, system administration, system integration and troubleshooting
<b>Programming Languages</b>	C++, C, C#, Java, SQL, JavaScript, JQuery, HTML, CSS, PHP, Perl, Python, Bash, LaTeX
<b>Applications</b>	Git, Gitlab, Redmine, Apache Web Server, Apache Traffic Server, Wordpress, MySQL, MS Office, Wireshark
<b>Development Platforms</b>	Linux, QNX, Windows, Android
<b>Other Skills</b>	Strong verbal and written communication skills, excellent problem solving and troubleshooting skills, comfortable with both individual and collaborative work

## Work Experience

### Exception Technologies, LLC

RESEARCH ENGINEER

Syracuse, NY

September 2016 - Present

- Developed continuous integration system for a proprietary symbolic execution platform using Gitlab CI and Cucumber.
- Developed new plugins for VM introspection for the symbolic execution platform using C++.
- Debugged and troubleshot the symbolic execution platform for various test cases and execution environments.
- Researched virtual hard disk formats for a project involving the qemu virtualization platform.
- Researched the current state of the art in uncertainty quantification.

### National Grid

SENIOR CIP ANALYST

Syracuse, NY

March 2015 - September 2016

- Created a custom Linux environment for use on substation computers to run fault collection and analysis.
- Wrote Python scripts to monitor the health and operation of substation computers.
- Worked with the developers of the Wavewin software to create extensions for monitoring substation equipment and retrieving data from it.
- Developed configurations for many different types of network hardware from RuggedCom (Siemens), Schweitzer and GarrettCom.

### Assured Information Security

ASSOCIATE ENGINEER

Rome, NY

November 2012 - March 2015

- Debugged and tested the SecureView multi-domain desktop virtualization software written primarily in C++.
- Maintained the build system for SecureView and developed the build/release process.
- Debugged the Javascript front-end for SecureView and oversaw the team of subcontractors tasked with fixing the issues.
- Integrated the Apache Traffic Server with custom software designed to offload analysis of web traffic to a highly optimized parallel computing application implemented in OpenCL.

### Lockheed Martin

SYSTEMS INTEGRATION AND TEST ENGINEER

Syracuse, NY

May 2009 - November 2012

- Performed formal software and hardware testing of radar and sonar systems.
- Developed an in-depth knowledge of radar and sonar systems in order to effectively troubleshoot and isolate problems.
- Completed various network design and configuration tasks on RuggedCom, Cisco and 3Com hardware.
- Configured several Linux/UNIX variants on many different types of hardware, built and debugged Linux kernels and drivers.
- Designed and implemented a Remote Installation Procedure for the system using various Linux tools and bash scripts to automate its installation aboard ships.
- Traveled frequently to various military installations to troubleshoot system problems and support field testing.

## Education

### Clarkson University

B.S. IN COMPUTER SCIENCE, MINOR IN MATHEMATICS

Potsdam, NY

May 2009