

Nathan Bietz

Senior Software QA Engineer / Stage and IoT Lighting Creative Engineer

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SUMMARY

Highly capable Software Quality Engineer with over 12 years experience driving quality objectives in collaborative team environments. Proficient with build/test infrastructure and automation test development, optimization, and virtualization. Articulate with cross functional communication of requirements, metrics, and technical concepts. Experienced with agile software development lifecycle best practices and standard tools. Self taught graphic/carpentry/lighting design and IoT and effects programming.

TECHNICAL SKILLS

Java, JUnit, TestNG, Maven, Bamboo, Powershell, Unix Shell Scripting, Perl, VMware, Hyper-V, Perforce, JIRA, XCode, Visual Studio, Eclipse, Mac, Windows, Linux, iOS, Android, Firewalls, Networking, Android, IoT, DMX

EXPERIENCE

DN8 Productions — *Artistic Engineering Creator*

July 2016 - Current

- Programmed Arduino controllers for IoT LED lighting on custom laser cut art frames.
- Installed LED lighting, networked DMX controllers, designed lighting algorithms and control UIs.

Citrix/Log Me In — *Senior QA Engineer*

September 2011 - April 2017

- Integrated automation infrastructure stack: mobile/desktop virtualization service, cross-platform automation engines, C++ native test harnesses, Google Protocol Buffer communication, object oriented implementation, test driver frameworks, automated build system, continuous integration system.
- Pioneered automated media presence/quality verification techniques eliminating manual testing need.
- Developed test plans for native endpoints, server load and performance, C++ SDKs, and API clients.
- Mentored new employees and trained engineers from multiple teams in my areas of expertise.

Citrix — *QA Engineer*

September 2004 - September 2011

- Coordinated cross-team testing and instrumented metrics gathering tool to track improved audio quality.
- Created UI automation tests for native endpoint features that improved customer audio experience.
- Configured network servers and automated Cisco VLAN routers to test NAT traversal.
- Developed a network degrader service on Linux to simulate real-world customer network topologies.

EDUCATION

California State University Chico — *B.S. Computer Information Systems*

2000 - 2004

- Member of Upsilon Pi Epsilon honor society.

INTERESTS

Smart home IoT automation, art car LED lighting, music production, motorcycles, snowboarding, kiteboarding