

## Tools Developer | Automation Specialist | CI/CD Architect

**Technical lead with decades of experience**, primarily focused on the various aspects of the software development lifecycle (SDLC). I love developing solutions in Python, but I also have experience with a wide range of other programming technologies.

### Experience

2021.11 – **GoodRx, Inc.**

2024.05

#### *Principal Software Engineer, Platform Infrastructure*

- Designed and implemented bespoke tooling for microservice development, extending a popular OSS Kubernetes cluster management tool.
- Enabled inner development loop work inside of a remote Kubernetes SDLC environment, offloading CPU-intensive work from the developer's workstation to scalable resources in the cloud.
- Architect and lead developer on solution for relocating URL redirection from an external CDN to custom REST service.

2012.05 – **Palo Alto Networks, Inc.**

2020.11

#### *Principal Software Engineer (Aug 2016 – Nov 2020)*

- Designed and Maintained CI/CD Build and Publishing Infrastructure
- Architected Central Release Management REST System
- Architected Branch Integration Reservation System
- Architected Engineering Tools Team Infrastructure (ETTIN) Python Module

#### *Manager – Engineering Tools (July 2014 – Aug 2016)*

- Managed the hiring process for the tools teams during a time of rapid growth.
- Orchestrated two separate building moves for the R&D infrastructure server room.
- Managed the trial, implementation, and migration of the entire engineering department to the Atlassian tool suite.

#### *Sr. Software Engineer (May 2012 – July 2014)*

- Designed and developed a Python Django web application to manage the Engineering department's project scheduling. This replaced dozens of manager-maintained Excel spreadsheets with a single point of reference.
- Designed and developed build and publishing infrastructure for rapid deployment of content updates directly to customer devices.
- Dockerized the build process, successfully divorcing the host environment from the build/compilation process and its requirements.
- Managed Perforce SCM Systems

# Andy Waller

## Software Engineer

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🌐 linkedin.com/in/ajwaller

🌐 Poway, CA

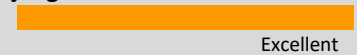
[slicingthepy.blog/about-me/](https://slicingthepy.blog/about-me/)

### Technical Skills

#### Python



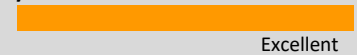
#### Django



#### Docker



#### CI/CD



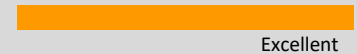
#### Linux



#### Git



#### Perforce



#### GO



#### Process Automation



#### SDLC



#### Kubernetes



## Experience cont'd

2011.03 – **Stoke, Inc.**

2012.04 *Sr. Staff Engineer*

- Upgraded Internal R&D Tools and Processes
- Migrated Source Control System from CVS to Git/Gerrit System

2007.03 – **Force10 Networks, Inc.**

2011.02 *Engineering Manager – R&D Tools and Automation*

- Team Split Between Santa Clara, CA. and Chennai, India
- Designed and Implemented Custom CI Build System in Python
- Managed Release Engineering and Perforce SCM

2005.12 – **Veoh Networks**

2006.12 *Software Engineer*

- As employee number eleven in an extremely fast-paced startup, my role was to introduce build, test, and deployment automation to the development process as early as possible.

2003.07 – **Websense, Inc.**

2005.12 *Software Engineer*

- Started off in QA where I created an automated data-driven test suite credited for doubling coverage while our team size was slashed by 20%.
- Developed C++ Library Interface into the Windows XP Firewall

2001.01 – **Network Associates, Inc. (McAfee/PGP)**

2003.04 *Sr. QA Test Engineer*

- Designed and implemented automated testing suite for enterprise command line encryption software.
- 95% of testing covered, decreasing product cycle dramatically while increasing the number of supported platforms.
- Test Lab Setup and Maintenance