

**Joseph Kinsella**

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**Overview**

My goal is to automate system facilities, making maintenance as simple and streamlined as possible, to improve performance and provide stability to otherwise unstable systems. I enjoy being creative and solving challenging problems. Most of my professional experience is developing applications written in Ruby. Setting up and maintaining Linux (Gentoo, RHEL) servers and firewalls. This includes web, mail, dns and database services. I've used network monitoring tools such as Nagios to ensure good services uptime. I'm usually fairly quick to learn new things and feel I'd be an asset to any team.

**Experience and Accomplishments**

9/10-12/12 ***Kestrel -Boeing Defense, Space & Security***

(Contractor through EDGE Professional Services)

- I was involved with several different teams while working on the Midpoint project. The teams included: Dashboard, Functional Test, Infrastructure.
- The Dashboard team was responsible for building a front end to monitoring and managing a Midpoint stack. This involved developing a (Ruby on) Rails application that also provided a Linux CLI interface. We used technologies such as Rspec for unit tests and Cucumber for Behavioural tests. We practiced TDD (Test Driven Development). Unfortunately, by the time the dashboard was to be released, the new versions of the midpoint stack had completely changed and the dashboard became obsolete.
- The Infrastructure team was responsible for readily deploying Midpoint stacks, upgrading and applying patches to Midpoint stacks, maintaining development and test stacks, as well as keeping software up to date for both stability and security. This involved maintaining an RPM package server, building a "stack installer" that required minimum user input. (When I first joined the team there was a 30+ page install document, when I left it was down to about three pages.) I got a lot of experience with RPM repository management and Puppet manifest configurations during this experience.
- Functional testing team was responsible for verifying the consistency and usability of a deployed stack. I helped the test team develop a suite of tests using Cucumber and Ruby that could automate the validity and security of a stack. This involved verifying custom software as well as standard linux configurations that followed various security requirements.

06/08-09/10 ***Righttime Medical Care, Crofton, MD***

- Implemented an Open Source collaboration suite known as Horde.
- Developed and applied patches to provide additional features.
- Designing, developing, implementing and maintaining a Point of Sale application capable of generating receipts, scanning ID cards, Generating forms with QR codes for indexing to a MySQL database.
- Auditing for HIPAA compliance.
- Designed and developed a real time tracking system for monitoring site volume.
- Application integration with an Electronic Registration System known as Phreesia using HL7 and CCR files.
- Installed linux gateway machines at each site to enable failover OpenVPN connectivity.

**Other Experience**

- I've written random pieces of software and tools in: Ruby, Perl, Python, C, C++, Bash, HTML/CSS, Javascript and a little bit of Objective C.
- Experience with VMware and VirtualBox for running multiple operating systems on a single machine.
- Writing Puppet manifests for automated and consistent system configuration.

**References**

Bob Graw - Former Boss - (410) 703-3455  
Matt Grenier - Former Co-worker (301) 793-7637  
Greg Kubaryk - Former Co-worker (410) 353-6475  
Clint Fleming - Former Co-worker - (443) 956-0152  
Jonathan Simpson - (484) 928-0536