

# Nate Dobbs

DevOps, SecOps, Cloud Architect  
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## Summary

I have spent the last fifteen years working across many industries including health care, SaaS (software as a service), PaaS (platform as a service), and MSSP (managed security service providers). I have extensive experience building and maintaining systems and networks compliant with the FedRamp (Federal Risk and Authorization Management Program), CIS (Center for Internet Security), HIPAA (Health Insurance Portability and Accountability Act), and PCI-DSS (Payment Card Industry Data Security Standard).

My work can be found within small startups as well as within large Fortune 50 companies, demonstrating my ability to think on my feet, work under pressure, and delegate tasks in order to complete the job in a timely manner. For the past six years I have worked remotely, highlighting my responsible and conscientious personality. I am an expert with Unix/Linux systems, and am passionate for automating complex tasks and processes.

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## Work Experience

### Infrastructure Architect

*Pondurance*  
Jan 2014 – Present

### Senior Information Security Engineer

*Franciscan Alliance, Inc*  
January 2014 – June 2015

### Cloud Architect

*Independent Consultant*  
October 2013 – December 2015

### Senior Linux/Unix Administrator

*Franciscan Alliance, Inc.*  
June 2006 – June 2012

### Linux Engineer

*ExactTarget / Salesforce*  
March 2013 – April 2014

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## Certifications

Red Hat Certified Engineer (RHCE)  
*Red Hat Corporation*  
RHEL5

Red Hat Certified Systems Admin (RHCSA)  
*Red Hat Corporation*  
RHEL5

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### Hard Skills

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**System Administration:** Linux, FreeBSD, and other UNIX operating systems.

**Cloud Services:** AWS, Azure, SoftLayer, GCP.

**Continuous Integration:** Github Actions, Jenkins, CircleCI, TravisCI.

**Programming:** HCL2, Bash, Ruby, Python, Perl, PowerShell.

**Configuration Management:** Terraform, Salt-Stack, Git version control, Chef, and Ansible.

**Service Discovery and Orchestration:** Consul, Nomad, Kubernetes, Docker.

**Security frameworks:** Vault, OpenSCAP, CIS, STIG.

**Technical Writing:** Sphinx, T<sub>E</sub>X, L<sub>A</sub>T<sub>E</sub>X, Hugo.

**Patch Management:** Red Hat Satellite / Spacewalk.

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### Soft Skills

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**Inter-Personal:** emotional intelligence, thoughtful written and verbal communication, conflict resolution, trust- and team-building, relationship-oriented.

**Organizational:** future-oriented, course planning and navigation, team-centric, self-sacrificing.

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### Recent Accomplishments

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- (innovation) I hired on as a key employee to lead an R&D team to build new security products, and to build, maintain, and scale services from inception to hundreds of clients.
- (leadership) I pioneered a process used to communicate, negotiate, and pay ransoms with Bitcoin to adversaries on behalf of incident-response clients. One notable example was with Hancock Hospital: I was dispatched to the location on Friday night and was able to negotiate, pay and write PowerShell scripts to decrypt all infected machines in the hospital. By Monday morning, the hospital was able to resume full operations. This incident featured on 60 Minutes.
- (resourcefulness) I take an “open source first” approach to reducing costs and operating as lean as possible.
- (development) I developed a public-facing API to enable customer self-service. This API connects with HashiCorp Vault, allowing clients to activate services, thereby enabling auto-provisioning anywhere in the world.
- (development) I wrote an interactive menuing system enabling clients to easily configure a hardware appliance.
- (documentation) I designed, authored, and hosted documentation for the activation process (see <https://docs.pondurance.com>).
- (architecture) I designed, built and maintain a global AWS ingestion pipeline with Apache Kafka which ingests 20TB per day.
- (architecture) I serve as a technical architect to design, review and build cloud networks for clients utilizing cloud services of their choice, with a focus on infrastructure as code.
- (architecture) I developed a “CI/CD” pipeline with Github Actions, and the HashiCorp suite to enable developers rapidly test and deploy with minimal effort.
- (architecture) I designed, built and maintain a multi-region hybrid on-prem and AWS “hub and spoke” and “shared services” infrastructure.