

Nicholas Bayle

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Work Experience

Townsend Security

2000-2018

Development

- Utilized Chef, Packer and Vagrant to create a customized build of Ubuntu for distribution of key management product on VMware, Amazon AWS, Microsoft Azure and hardware platforms.
- Extensive use of VMware (Fusion, ESXi) for development and testing.
- Wrote a RESTful API using Ruby/Sinatra to serve up product software licenses.
- Wrote a Ruby/Sinatra web front-end to allow staff and an OEM partner to create and track software licenses for key management software and AES libraries.
- Extended a Python-based API for encryption key retrieval.
- Wrote a Perl-based system configuration utility for an OEM partner that uses a centralized configuration file to apply various network and application settings as desired.
- Extensive use of FogBugz as a development ticketing platform.
- Extensive use of Trello for project tracking.
- Working knowledge of git.

IT

- Daily use of VMware and Parallels with virtualized Linux and Windows environments.
- Extensive use of VPS providers, such as Rackspace and Linode.
- Extensive use of Amazon Web Services and Microsoft Azure.
- Managed network security audit conducted by Moss-Adams.
- Configure an OpenVPN installation that utilizes certificate authentication and a revocation list.
- Configuration and maintenance of general network services, e.g. ISC DHCPD, OpenNTPD, MaraDNS, dnsmasq, and nginx/lighttpd/Apache.
- Write and maintain firewall rules using pf (OpenBSD) and iptables (Linux).
- Manage Google Apps for Business domain for 30 users.
- Maintain Mitel VOIP phone system.
- Managed an IT intern.
- Maintain 32 workstations; 20 OS X, 7 Windows, 5 Linux.

- Maintain 17 servers; 10 Linux, 5 IBM iSeries (AS/400), 2 Windows.
- Manage domain name records, DNS hosting, registration and renewal.
- Coordinated move of all networking and telecom infrastructure to new office location in 2010. Worked with telecom and electrical companies, as well as contractors, to ensure infrastructure met requirements.

Technical Support

- Provided customer technical support for installation and configuration of FTP automation product for the IBM iSeries platform. Most often, educating customers about PKI for use with SSH FTP.
- Provided customer technical support for system logging product for IBM iSeries platform.
- Extensive use of Salesforce platform for support ticket management.
- Received training for syslog-ng from BalaBit in Hungary.

Project Management

- Work with OEM hardware manufacturer to produce encryption key management hardware appliance.

References

On request.