

Nicholas Bayle

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Work Experience

Townsend Security, Inc.

2000-Current

Development / Operations

- Utilized Chef, Packer and Vagrant to create repeatable builds/images of Ubuntu for distribution of our key management product on VMware, AWS, Microsoft Azure, Docker containers and hardware platforms.
- Extensive use of VMware platforms for development and testing.
- Wrote a REST API using Ruby/Sinatra to serve software licenses.
- Wrote a Ruby/Sinatra web frontend to allow staff and OEM partners to create and track software licenses for products.
- Extended an internal Python SDK for encryption key retrieval.
- Wrote a Perl system configuration utility for an OEM partner that uses a centralized configuration file to apply various network and application settings.
- Daily use of git.
- Collaboration and bug tracking with Jira, FogBugz, Trello and Salesforce.

IT

- Configuration and maintenance of general network services, e.g. ISC DHCPD, OpenVPN, OpenNTPD, MaraDNS, dnsmasq, and nginx/lighttpd/Apache.
- Write and maintain firewall rules using pf (OpenBSD) and iptables (Linux).
- Extensive use of VPS providers, such as Rackspace and Linode.
- Managed network security audit conducted by Moss-Adams.
- Configuration of Mitel VOIP phone system.
- Managed an IT intern.
- Maintained 30+ macOS, Linux and Windows desktops
- Maintained 20+ Linux, IBM iSeries (AS/400), and Windows servers.
- Managed domain name records, DNS hosting, registration and renewal.
- Coordinated move of all networking and telecom infrastructure to new office location. 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.

- Received training for syslog-ng from BalaBit in Hungary.

Project Management

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

References

Upon request.