

Patrick Childs

Employment History

Deloitte, Devops Engineer (*November 2019 - Present*)

- Working to automate software deployment to AWS
- Working to design, construct, improve and maintain Cloud CI/CD pipelines
- Developing Java APIs using a Microservice architecture across a distributed team
- Ensuring security of Government infrastructure and Services

AC3, Devops Engineer (*June 2019 - September 2019*)

- Worked in a team to deploy CI/CD pipelines for large scale government clients
- Worked with AWS, Cloudformation, AWS-CDK, Ansible, cfn-dsl, Team City, Octobuild and Powershell
- Created scripts and tools to help reduce toil and help automatically resolve issues

Tigerspike, Associate Technical Operations Engineer (*February 2018 - May 2019*)

- Worked in a global team, communicating across time-zones to deploy AWS and Azure infrastructure
- Designed, constructed, improved and maintained multiple Cloud CI/CD Pipelines.
- Scripted menial tasks to reduce toil. Managed MacOS Desktops and Linux and Windows Servers.
- Worked with Chef, Cloudformation, Jenkins, Octobuild, Codepipeline, Gitlab and Lambdas

AAM Group, Full-Time: Helpdesk Engineer (*November 2016 - February 2018*)

- Deployed and Supported Windows Desktop, Office365, Active Directory, and other Microsoft Products
- Deployed and Administrated Windows/Linux/FreeBSD Servers, Azure and AWS services.
- Maintained endpoint and network security for Windows 10, Linux, and FreeBSD.
- Performed malware analysis to help triage multiple crypto-locker worms.
- Performed forensic analysis on compromised workstations.

Education

2009 - 2015

Higher School Certificate - Kiama High School

Skills

Programming

- 4 years experience in Java, Bash and PHP. 2 years experience with Python and Javascript.
- A deep understanding of Emacs Lisp, SQL, Visual Basic, C#, Golang, and x86_64 assembly.
- Understanding of complex abstract data structures and algorithms

Operating Systems

- 4 years Linux Server Administration experience in both personal and professional settings.
- 2 years of Windows Desktop and Server administration. 1 year MacOS Desktop administration.
- Comprehensive knowledge of BSD based Unix Systems such as Solaris, OpenBSD, and FreeBSD.
- Deep and comprehensive understanding of Linux userspace tools.

Security

- Experience hardening and securing various digital and physical assets.
- Experience creating, and acting on threat models based on risks identified.
- Experience with TPM, Cryptography, Linux Namespaces, Lockpicking and Reverse engineering.
- Reverse engineered multiple .Net and GCC compiled malware binaries.

Hobbies

Server Configuration and Maintenance

- 4 years of maintaining multiple Linux servers using various distributions.
- Deploying various software stacks to provide personal services such as Nextcloud.

Maintaining Arcade Machines

- Maintained a custom Dance Dance Revolution converted Arcade Cabinet at the Sidetracked arcade.
- Replaced hardware components, repaired electrical components, built and configured a custom software environment.