

# PATRICK CHILDS

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## WORK EXPERIENCE

### Orro Group

Associate Penetration tester

April 2023 - June 2024

- Performed penetration tests of bespoke applications for Financial institutions.
- Automated the provisioned of ephemeral containers to isolate client data.
- Used tools such as: Burpsuite, Nessus, Jira, and Confluence
- Created detailed reports with actionable recommendations for found vulnerabilities.
- Worked in a team to meet tight client deadlines

### E-Secure/Orro Group

SecDevOps Engineer

April 2020 - April 2023

- Worked to automate hybrid cloud and on-premise infrastructure.
- Migrated the on-premise infrastructure to a re-deployable, re-producible and stable design.
- Ensured security compliance of all services and infrastructure deployed.

### Deloitte

DevOps Engineer

September 2019 - April 2020

- Worked to automate software deployment to AWS
- Worked to design, construct, improve and maintain Cloud CI/CD pipelines
- Developed Java APIs used a Micro-service architecture across a distributed team
- Performed best security practices when Designing and Deploying Cloud Infrastructure for Public and Private entities

### AC3

DevOps Engineer

June 2019 - September 2019

- Working to automate software deployment to AWS and Azure
- Working to design, construct, improve and maintain Cloud CI/CD pipelines
- Work with Ansible, Cloudformation, CFN-DSL, and AWS CDK

### 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

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.

## SKILLS

- Intimate knowledge of Container and Sandboxing technologies such as: Docker, Podman, Bubblewrap, NSJail, Minijail and Linux Namespacing
- Comprehensive understanding of Linux security features such as: IMA and EVM, SELinux/AppArmor, Landlock, Namespaces, Unix ACLs, IPTables, systemd service sandboxing, eBPF filters, SafeSetID, Kernel Keyring, LoadPin, etc.
- In depth knowledge of Virtualization technologies Including: KVM, Qemu, Xen, QubesOS, CrosVM, Firecracker and CloudHypervisor.
- Experience developing software using: Python, Java, Clojure/Clojurescript, Emacs Lisp, Guile, Javascript, Golang, Lua, Fennel, Nix, Rust, Racket, C#, Visual Basic, Delphi, Perl and more.