Ross Simpson

HACKER, CODER, OSCP

Cape Town, South Africa
Email: ross.simpson@gmail.com

About Me

I've always been interested in how computers work, which led me to a career in software development, with a keen interest in cyber security. I obtained my OSCP in June 2018.

My focus has been on backend systems, scaling and security. I'm a big believer in using the right tool for the job. Much of the work I've done has been in the e-commerce and fintech space.

Alongside my software development career I've run K-Rad Web Technologies - a web consultancy and penetration testing company started in 2009.

Technical Skills

Programming

- Python
- NodeJS / TypeScript
- Java (VertX)
- Clojure
- Ruby on Rails

Infrastructure

- Docker Kubernetes
- Amazon, Azure and Google cloud
- Serverless and event-driven architecture

Cyber Security

- OSCP Certified
- Web application and API penetration testing
- Google Siemplify Certified SOAR Analyst

Work Experience

K-Rad Web Technologies
Owner

MAY 2022 - PRESENT

- Penetration testing, cloud infrastructure and microservices, SOAR integrations
- Technologies: Google Siemplify, Python, Azure cloud, Kubernetes, Burp Suite

Orange Cyberdefense
Senior Developer (remote)

MAY 2021 - APR 2022

- Development on the Customer Portal and training platform, migration to ServiceNow
- Technologies: GoLang, Java VertX, Google Cloud, TypeScript, GitLab

Deimos
Principal Security Engineer (remote)

NOV 2020 - APR 2021

- Performing penetration tests for clients, reviewing and advising on security practices
- Technologies: Google Cloud, Burp Suite, .Net, Elixir, Kubernetes

K-Rad Web Technologies
Owner

JUL 2009 - OCT 2020

- Web Application security audits, penetration testing, development and consulting
- Technologies: Kali Linux, Burp Suite, AWS Web Services, Google Cloud

Bibblio (UK)
Developer (remote)

NOV 2016 - OCT 2020

- Building backend services and APIs using stream processing; improving performance
- Technologies: Clojure NodeJS, AWS Lambda and Kinesis, Apache Spark

Konga Online Shopping
Developer

AUG 2015 - OCT 2016

- Building API microservices and detecting + fixing security issues
- Technologies: NodeJS, Docker, AWS EC2 and OpsWorks, ElasticSearch

VisionOSS
Developer

APR 2015 - JUL 2015

- Worked on **"VOSS-4-UC"** (unified communications platform)

- Technologies: Python, MongoDB, Git, Vagrant

Global Kinetic
MAR 2014 - MAR 2015

Security Development and Research
- Advising and assisting with security on **"Zapper"** (a mobile payment application)
- Technologies: XCode, Node.js, Mono and .Net

Platform45
JUN 2012 - FEB 2014

Ruby on Rails Developer
- Agile development - scrum methodologies, pair programming and project management
- Technologies: Ruby on Rails, PostgreSQL, Heroku, EngineYard, ElasticSearch

Achievements and Activities

Conferences spoken at:
- B-Sides Cape Town - "Shall We Play A Game?" - 1 December 2018
- 0xcon - "Shall We Play A Game?" - 10 November 2018
- B-Sides Cape Town - "Docker for Hackers" - 2 December 2017
- B-Sides Cape Town - "Lock Picking" - 1 December 2012
- B-Sides Cape Town - "Game Hacking" - 1 December 2012
- ZaCon - "Game Hacking" - 27 October 2012
- ZaCon - "iPhone Hackery" - 9 October 2010

Workshops and events hosted:
- Monthly local hacker meetup "0xC0FFEE Cape Town" - from 2016 to present
- Def Con 20 Documentary screening @ Labia - 17 August 2013
- Android hacking with Mercury (aka Drozer) - 13 July 2013
- Hacking with Metasploit - 6 April 2013

Other:
- Completed SANS Holiday Hack challenges - from 2016 to present
- Completed Siemplify Certified SOAR Analyst - June 2022
- Created a Unity3D based CTF game "WarAndUnity" - October 2021
- Obtained Offensive Security Certified Professions (OSCP) - June 2018
- Created an 8bit NES Game for BSides Cape Town - December 2016
- Attended DEF CON 24 and BSidesLV in Las Vegas - August 2016
- Interviewed on Radio 702 about Hacktivism and the SAPS site hack - May 2013