

BEN BERTKA

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- Summary*
- Specialist in computer & network security, cloud computing, and software engineering
 - Consulting skills in requirements elicitation, UML design, demos, negotiations, and PowerPoint
 - 2 years of experience in enterprise SOC and IPS vendor roles, with 5 years of Linux development

- Certification*
- GIAC Certified Incident Handler (GCIH)
 - GIAC Security Essentials Certification (GSEC)
 - EMC Cloud Architect Expert (EMCCAE)

- Education*
- Master of Software Systems - University of British Columbia, Class of 2012
 - Master of Science, Visualization - Texas A&M University, College Station
 - Bachelor of Arts, Mathematics - University of California, Santa Cruz

Experience **Associate Systems Engineer | EMC Corporation**

September 2014 – Present, Bellevue, WA

Currently I am an enterprise pre-sales account systems engineer with a focus on IT infrastructure sales to enterprise accounts. I am assigned to T-Mobile working closely with DevOps and storage teams. My technical focus is Big Data, Cloud, and DevOps, where I have created POC applications using a variety of technologies including: Hortonworks, Cloud Foundry, Heroku, Splunk, Web2Py, Python, and Ruby (currently learning).

Security Consultant | TELUS Communications

July 2013 – Present, Burnaby BC

In this role I performed high level adversary aware threat risk assessments of critical LTE infrastructure. I also built a threat intelligence platform using the open source Collective Intelligence Framework (CIF) toolkit along with Python to allow easy web based searching by incident handlers. I also worked closely with Access Management, and Architecture Compliance teams to create functional/technical RFI/RFP requirements for technology including a new Access and Identity Management System, as well as a Malware Sandbox.

IPS Analyst | Fortinet Technologies

August 2012 – July 2013, Burnaby BC

In this role I was in command of a firewall evasion application control signature base for the Fortigate IPS appliance. In this role I worked daily to reverse engineer x86 binaries specific to network vulnerability and malware analysis, using IA32 Assembly debuggers to analyze packet encryption facilities. I re-implemented RSA and PGP encryption algorithms in pure assembly code, and used Python scripts within Linux tool chains to simulate applications for blocking traffic.

Pipeline Developer (Python) Contract | Image Engine Designs

May 2012 – July 2012, Vancouver BC

This was a pure Python developer role where I was contracted to create a production ready tool for managing storage space for VFX artists. I Designed a script with User level text-file configurations, and a graphical user interface. I also implemented robust error and exception handling facilities, with email notifications for events. Several in-house API modules were used and extended

Software Engineer Intern – Wireless Linux Systems | In Motion Technology

Fall 2011, New Westminster BC

In this internship I worked as a Python developer within a DevOps style systems engineering team. I maintained a Python tool-chain that managed the release of embedded device OS RPM packages. I also traveled internationally to a customer site and wrote an automation script to upgrade 560 mobile networking devices.

Graduate Teaching Assistant | Texas A&M University

August 2008 – December 2010, College Station TX

I was the Teaching Assistant for the course: Introduction to Programming (Python/C). I served two sections with up to 60 students each, where I gave code demos, answered questions, assisted with labs, and marked exams. I also worked help desk for the Linux computer lab.