

Brian Jopling | Cloud Security, DevOps

3514 Lancaster Ave. Apt 116. Philadelphia, PA, 19104 | 267-644-5009 | brj33@dragons.drexel.edu

Skills & Abilities

Programming Languages: Python, Java, Bash, C, C++, C#, HTML, CSS, JavaScript, PHP, SQL, VB.

Frameworks: Django, Spring, jQuery, Bootstrap, Scrappy, Drupal.

Tools & Software: Elasticsearch/Kibana, DataDog, Docker, Git, Vi/Vim, Nmap, Wireshark, BurpSuite, Zed Attack Proxy (ZAP), Metasploit, Volatility, Hashcat, Nessus, VirtualBox, VMware.

Amazon Web Services: CloudFormation, VPC, IAM, CloudWatch, EC2, ECS (Fargate), CloudTrail, Lambda, DynamoDB, S3, Route 53, API Gateway, SageMaker, Elastic Beanstalk, Cognito, CodeBuild, CodePipeline.

Operating Systems: GNU/Linux (CentOS, Ubuntu, Fedora, Kali), Windows (XP, 7, 8), Mac (macOS).

Experience

Security Engineer

April 2018 — Present

Comcast Corporation

- Performed infrastructure automation by crafting CloudFormation templates and Python/Nodejs scripts.
- Integrated CI/CD for Lambda-backed API and ECS (Fargate) through CodeBuild and CodePipeline.
- Containerized Spring/Angular/Nodejs applications using Docker, deployed to ECS (Fargate) clusters.
- Setup Elasticsearch to consume logs from CloudWatch, created supporting dashboards in Kibana.
- Maintained infrastructure for serverless MFA API ingested by customer-facing Xfinity Authenticator app.
- Programmed suite of AWS Logging, Monitoring, & Incident Response tools deployed across Comcast.
- Setup RSA SecurID on AWS with Azure AD integration to provide hard-token enterprise MFA.

Information Security Engineer

April 2017 — March 2018

University of Pennsylvania School of Arts & Sciences

- Developed NECTOR, an open source SIEM that provides analysis of security alerts produced by Nessus.
- Discovered, escalated, & patched XSS vulnerability affecting majority of existing SAS websites.
- Conducted code reviews of Drupal Core and Contributed modules hosted on Pantheon PaaS.
- Assisted with vulnerability management by reviewing logs produced by Nessus and OSSEC.
- Engaged in incident response team by analyzing memory dumps of infected computers using Volatility.

Web Developer

May 2014 — September 2016

Fit Results Personal Training & Cycle Studio

- Designed and developed company website using HTML, CSS, JavaScript, and the Bootstrap framework.
- Migrated existing source code from local storage to GitHub repository to promote version control.
- Actively maintained website using Bootstrap, jQuery, and custom JavaScript with the Mindbody API.
- Managed electronic devices (iPads & desktops) by monitoring usages and maintaining software updates.
- Integrated CI/CD into the workplace using git-ftp, pipelining commits to host's FTP server.

Education

Drexel University — B.S. Computer Science, Computer Security (conc.)

Sept 2015 — June 2020

- Graduated *magna cum laude* with cumulative GPA of 3.7 & major GPA of 3.9 (Dean's List).
- Inducted into Upsilon Pi Epsilon (ACM, IEEE), the Honor Society for Computing & Information Disciplines.
- Won first place in Entrepreneurial category of 2019-20 Drexel Senior Project Showcase for Study Buddy, a chatbot powered by ML (SageMaker) that answers questions based on OCR of textbook photos.