Brian Jopling
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Education

Drexel University | Philadelphia, PA
Bachelor of Science in Computer Science | Anticipated Graduation: June 2020
Computer Security | Cumulative GPA: 3.64, Dean's List

Skills

- Programming Languages: Python, Bash, Java, C++, C#, HTML, CSS, JavaScript, PHP, SQL, Visual Basic.
- Frameworks: Django, Spring, jQuery, Bootstrap, Scrapy, Drupal.
- Tools & Software: Elasticsearch, Kibana, Git, Vi/Vim, Nmap, Wireshark, BurpSuite, Zed Attack Proxy (ZAP), Metasploit, Volatility, Hashcat, Nessus, VirtualBox, VMware, Eclipse, Visual Studio Code.
- Amazon Web Services: VPC, EC2, IAM, CloudWatch, CloudTrail, Lambda, CloudFormation, DynamoDB, S3, Route 53, API Gateway, Kinesis (Firehose, Data Analytics), SageMaker, Elastic Beanstalk, Cognito.
- Operating Systems: GNU/Linux (Fedora, Kali Linux, Ubuntu), Windows (XP, 7, 8, 10), Mac (macOS).

Experience

Comcast Corporation | Philadelphia, PA
Security Engineer | April 2018 to Present
- Provided cloud governance for microservices and infrastructure of Xfinity Authenticator (MFA) mobile application.
- Performed infrastructure automation by crafting CloudFormation templates, custom Lambda functions, & shell scripts.
- Designed anomaly-detection engine, utilizing machine learning through AWS SageMaker, to identify evolving threats.
- Built internal PKI web application using Spring Framework, JSP, and Bootstrap.

University of Pennsylvania School of Arts & Sciences | Philadelphia, PA
Information Security Engineer | April 2017 to March 2018
- Developed NECTOR, an open source Security Information & Event Manager (SIEM).
- Performed frequent security audits on university websites and their servers.
- Discovered XSS vulnerability affecting majority of existing SAS websites.
- Conducted code reviews on Drupal Core and Contributed modules.
- 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.

Fit Results Personal Training & Cycle Studio | Skippack, PA
Technical Officer | May 2014 to August 2015, June to September 2016
- Designed and developed company website using HTML, CSS, JavaScript, and the Bootstrap framework.
- Updated company website on weekly basis to ensure content was accurate.
- Managed electronic devices, such as iPads, iPhones, and desktop computers.
- Collaborated with individual staff members in creating their online employee biographies.

The Cave of Trials (Windows, Mac, & Android Game) | Drexel University
Project Manager and Lead Programmer | January to June 2016
- Cooperated with four team members to develop 2D top-down puzzle game.
- Built game using C# with Unity Game Engine.
- Managed collaborative Git repository on Bitbucket.
- Published and maintained application on Google Play Store.

Activities

- Co-Founder, DEF CON 215 (DC215.org), Present
- Participant, BSidesPhilly, BSidesNYC, 2018
- Drupal Security Tool Developer, Drop-Fuzz, 2017
- Web App Developer, Anthology, 2017
- Mobile App Developer, Coin Grabber, 2015
- Member, Robotics Club, Methacton High School, 2011-15