

DevSecOps

- I build tools & data pipelines for development & security teams.
- I create and manage CI/CD pipelines for efficient software testing & deployment.

Experience

Salesforce

- Oct 2014 - Jan 2020
- Security Detection Engineering
 - SecDevOps building security data platform, infrastructure, pipelines
 - Large scale log aggregation
 - In-house solution
 - Funnel logs into SIEM via Kafka
 - Large scale packet capture
 - Designed and built Moloch based setup
 - Automate cluster buildouts
 - Splunk
 - Hadoop
 - Spark, Pyspark
 - Build & maintain Data Science Pipeline
 - Airflow, Tensorflow, Keras, etc.
 - CI/CD pipeline architecture design and implementation
 - Create and implement standards in build & test
 - Docker, Puppet, Ansible/Molecule

Exact Target & Salesforce

- Jan 2014 - Oct 2014
- Create monitoring and administration tools in Linux environments.
- Facilitate deployment of custom cloud applications as a github site admin, chef admin, etc.
- Develop secure build/deployment processes.
- Train engineers & teams on various open source software and build/deployment processes.
- Port existing Windows C# web-based deployment tools to Linux/Python (Sledgehammer project).
- Support loading major releases to stacks every 6 weeks.
- [ExactTarget](#) was acquired by Salesforce in August of 2014

Indiana University

- Aug 2012 – Dec 31st, 2013

- Principal Research Software Engineer
- Test Architect in Software Defined Networking Lab, designed test cases and direct test efforts on openflow networks.
- Wrote web based tools for [GENI/GEMINI](#) project.
- Assistant instructor for undergraduate networking (lead discussions, create and grade homework, and proctor exams).
- Research very high capacity storage solutions and high speed network connections.

Nokia Siemens Networks

- April 2011 – July 2012
- Senior R&D Engineer

McHenry County College

- August 2006 –June 2011
- Adjunct Faculty
- Taught information systems courses in the evenings

Motorola

- Jan 1999 - April 2011
- CDMA Cellular base station product development.
- Motorola Networks division was acquired by Nokia Siemens

Education

DePaul University, MS Network Security/Network Engineering

- Studied network protocols, network design, focus mostly on lower 4 layers of OSI.
- About half Network Security and half Network Engineering courses.
- [Program information](#)

Northwestern University, MS Computer Info Systems

- Agile, OO Methods.
- Relational Database specialization.
- Java programming, interactive web apps with Apache/Tomcat.
- [Program information](#)

Roosevelt University, BS Computer Science

- [C++ based curriculum.](#)
- Minor mathematics.

Code and Projects

- Administer [The Hacker Cookbook](#) just for fun
- Cyber Shield 2018 - Trainer - (Infrastructure) Blue Team Tools & Tehcniques
 - [Here is a link to the event](#)
- Electronic badges, for example, [the bat badge](#)
 - Here [are some pictures of it](#)
- I run [@indybsides security conference](#)
 - [Here are some pictures of it](#)