

Franklin Diaz Resume

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<https://franklin-resume.herokuapp.com/>

Currently Working on Security Infrastructure

Recent Tools & Languages

Things I've been using lately.

- Github & GitLab
 - Markdown
 - Travis CI
 - CircleCI
- Python
- Puppet
 - Ruby (spec/rake testing)
- Ansible & Molecule
- Linux Shell Scripting
 - BASH
 - ZSH
- Vagrant, Docker, Terraform
- Digital Ocean, Google Cloud, AWS

Experience

Salesforce

- Oct 2014 - Current
- Data Science & Network Forensics team
 - SecDevOps building security data platform & infrastructure
 - 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
 - * Jenkins, BlueOcean, CloudBees, etc.
 - * Docker, Puppet, Ansible/Molecule
 - Mentor junior infrastructure security engineers

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

Motorola

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

McHenry County College

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

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