# Franklin Diaz Resume

* [Find me on LinkedIn](https://www.linkedin.com/in/franklin-diaz-b38870164)

## Currently Working on Security Infrastructure

### Recent Tools

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](https://www.marketingcloud.com/) 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](http://www.geni.net/) 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](http://www.cdm.depaul.edu/academics/Pages/MSinNetworkEngineeringandManagement.aspx)

#### Northwestern University, MS Computer Info Systems

* Agile, OO Methods.
* Relational Database specialization.
* Java programming, interactive web apps with Apache/Tomcat.
* [Program information](http://sps.northwestern.edu/program-areas/graduate/information-systems/)

#### Roosevelt University, BS Computer Science

* [C++ based cirriculum](https://www.roosevelt.edu/CAS/Programs/CS.aspx).
* Minor mathematics.

### Code and Projects

* Administer [The Hacker Cookbook](https://github.com/Nocsetse/1337-Noms-The-Hacker-Cookbook) just for fun
* Cyber Shield 2018 - Trainer - (Infrastructure) Blue Team Tools & Tehcniques
  + [Here is a link to the event](https://dod.defense.gov/News/Article/Article/1520257/national-guard-conducts-annual-nationwide-cybersecurity-exercise/)
* Electronic badges, for example, [the bat badge](https://github.com/DEAD10C5/bat_mini)
  + Here [are some pictures of it](https://imgur.com/gallery/bK1vn)
* I run [@indybsides security conference](https://twitter.com/indybsides)
  + [Here are some pictures of it](https://imgur.com/a/w0UnE)