Antonio Abella

DevOps Engineer | Miami, FL
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SKILLS:

- Expertise in:
  - <u>Cloud Computing</u>: Amazon AWS (EC2, Route53, RDS, S3, VPC, ACM, CloudWatch)
  - <u>Operating Systems</u>: Ubuntu 18.04, 20.04; CentOS 7
  - <u>Programming Languages</u>: Python, Shell (posix sh and bash), PowerShell
  - <u>Software & Tools</u>: Docker, Git, Ansible, Terraform, Jenkins, Grafana, InfluxDB, Zabbix
  - <u>Hardware</u>: Dell PowerEdge and HP ProLiant servers
- Some experience with:
  - <u>Cloud Computing</u>: Amazon AWS (IAM, EKS, Lambda, DynamoDB)
  - <u>Programming Languages</u>: Groovy, Java, SQL, PHP, Javascript, Perl
  - <u>Software & Tools</u>: MySQL/MariaDB, MongoDB, RabbitMQ, Memcached, NGINX, Make
  - <u>Hardware</u>: Juniper and Cisco routers and firewalls, Cisco and HP managed switches
- Additionally experienced with Windows Server 2012R2, VMware ESXi 6.0+, Active Directory
- Fully fluent in written and verbal English and Spanish

EXPERIENCE:

SmartBear Software

Senior DevOps Engineer	September 2021 - present
DevOps Engineer	*July 2019 - September 2021*
Junior DevOps Engineer	*July 2017 - July 2019*

- Designed and implemented a dynamic iptables firewall configuration generator to improve reconfiguration performance on a cluster of 300 hosts. This implementation yielded a 99.95% improvement in runtime over the previous solution, resulting in over 12 hours saved per deployment.
- Built and administered a self-hosted InfluxDB Enterprise time-series database cluster hosting core application data. Oversaw migration of the entire data lifecycle from the previous solution. Worked with the development team to carry out performance and load benchmarking at production scale.
- Migrated core application legacy Docker Swarm clusters to latest Docker Swarm Mode. Defined cluster infrastructure in Terraform for reproducible provisioning and disaster recovery. Conducted staged rollout of new Swarm environments in coordination with development and QA teams. Reconstructed all related CI/CD pipelines to interface with new Docker and Swarm versions.
- Engineered platform for self-service provisioning and deployment of transient development environments within Docker Swarm. Extended Terraform configuration to source dynamic environment metadata from a central database. Provided the development team with the tools to accelerate testing and facilitate code comparisons.

Inktel Contact Center Solutions

Junior Systems Administrator   April 2016 - July 2017

Responsibilities involved the administration of Active Directory Domain Services and Exchange mail, and the regular maintenance of VMware ESXi hypervisors, CentOS file servers, mail scanners, web servers, and Asterisk servers. Additionally tasked with researching and deploying low- or no-cost self-hosted tools and services to improve internal company functions.

EDUCATION:

Florida International University

Bachelors of Science in Information Technology   December 2015

PERSONAL:

- Portfolio: https://antonioabella.com
- Projects: https://github.com/a-abella