ERIKA MIGUEL

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WORK EXPERIENCE

IDEX, ASA
DevOps and Tools Engineer Wilmington, MA
March 2017 – Present
- Implementing cloud based testing framework for fingerprint sensors. Entails:
  - Coding and invoking automated tests from build server (Python, Batch, Bamboo, AWS)
  - Configuring fingerprint sensors on physical servers to run cloud-triggered tests (sensors, custom tools)
- Expanding logical unit tests for firmware codebase (C, cpputest)
- Developed AWS Lambda API endpoints and reusable utility modules for company use (AWS, Python, OOP)
- Built entire AWS Cloud infrastructure with newly created DevOps team (Terraform, AWS, and Puppet)

Perka
DevOps Engineer New York, NY
April 2016 – March 2017
- Sole DevOps engineer on Perka's team at the time. Served as single point of contact for:
  - Prod/deploy/build failures, account setup and access, SSL certs, config and AWS related tasks, managing DevOps contractor, 24-hour on-call for production outages
- Creative work:
  - Created Cloudformation architecture for making serverless database / EBS backups (AWS, Python)
  - Scripted server checks and enforced encryption for sensitive config values (Python, eyaml)
- Toil work:
  - Manual production deployment and post-deployment validation
  - Daily maintenance of AWS resources (EC2, RDS, Route53) and Atlassian Tools (JIRA, Bamboo)
- Sysadmin experience with traditional downtimes, deployments, monitoring, and logging

Goldman Sachs
Global Investment Research - Analyst Software Developer New York, NY
July 2015 – April 2016
- DevOps engineering role with global team in Investment Research
  - Automated deployments and migrated applications to new config service. (Internal tools)
  - Developed dashboard component to track projects without testing evidence (Java, React.js, Internal APIs)
- Enhanced a legacy application in Prime Services division to reduce production access to trade files.
  - Developed the upload feature for file processing with access controls (Java, AngularJS, jUnit).

PROJECTS

Personal Website: https://erikamiguel.com

Github Projects: https://github.com/evmiguel
- Repositories for personal site, lambda functions, software engineering and IoT exercises

EDUCATION

Smith College Northampton, MA
Bachelor of Arts, Major in Computer Science
September 2011 - May 2015