JEFF BECK

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Summary

Engineering leader with broad depth of experience across multiple domains, such as data, infrastructure, and security. Led multiple cross-department initiatives, building & managing teams of over 45 engineers.

Experience

Flashpoint Intelligence — April 2016 - July 2023

Flashpoint uses threat intelligence to help governments and commercial organizations protect critical assets, infrastructure, and stakeholders from security risks such as cyber threats, ransomware, fraud, and physical threats.

Senior Director of Engineering — September 2020 - July 2023
- Led company initiative to build out new customer facing platform, introducing large scale changes across the data infrastructure and creating new customer facing applications for fast, relevant search and effective notifications.
- Hired 20+ people, half of whom came from underrepresented backgrounds in software engineering.
- Built prototype then led development for an LLM-based chat application using Flashpoint's finished intelligence reports.
- Created and led cross-department data science program focusing on threat detection and search relevancy. We created, deployed, and iterated on a machine learning model within our streaming collected intelligence pipeline to automatically detect threats.
- Led product & development for new managed attribution product, securely allowing customers to conduct research and interact with threat actors safely.

Director of Engineering — September 2019 - September 2020
- Migrated QA Team from local Selenium test suites to a central CI-integrated Cypress-based suite.
- Successfully advocated for the understaffed QA Team to grow from 2 people to 7.
- Began SRE Embed program allowing engineering teams to have an embedded SRE for a defined time and project scope enabling them to move faster as well as ensure best practices on deployment, reliability, and monitoring.

Data & Site Reliability Lead — November 2018 - September 2019
- Created Data Team to focus on data infrastructure, instituting on-call rotation for alerts and engineering team support. Corralled dozens of data pipelines into a single streaming engine leveraging Google Cloud's Dataflow (Apache Beam), PubSub, and BigTable (Apache HBase) services, including a new data

enrichment engine for regex and ML based transformations, handling over 2000 documents a second.
- Led Data Team to build out a Google Cloud BigQuery based data warehouse, as a new output to the streaming pipeline, to drive analytical use cases (such as with Looker, or with our Customer Data Platform) as well as for customer facing products.

Site Reliability Engineering Lead — March 2018 - November 2018
- Instituted then iterated on the company incident response process, first with a monthly meeting where responders walked through a Confluence document on the incident, then procuring FireHydrant and building out a larger process with individual retrospectives, thorough review of action items, and reporting on metrics across incidents over time.
- To better support Kubernetes, migrated from Icinga 2 monitoring system to Prometheus, integrating it with the Google Cloud API, Ansible, and PagerDuty. Set up Grafana as a "single pane of glass" for monitoring and alerting across multiple alerting backends. Created documentation and held training sessions.

Senior Site Reliability Engineer — April 2016 - March 2018
- Architected and managed Google Cloud network and access.
- Wrote application to manage DNS, integrated with GCP API to create/update/delete records based on GCE instances. Eventually the application grew to incorporate addresses for apps running on GKE, leveraging annotations.
- Managed employee laptops, procuring Jamf to centrally manage fleet for easier image management, application deployment, and enforcement of regulatory and security policies. Handed off to IT once we staffed a team.

Mount Sinai Health System — July 2000 - April 2016
The Mount Sinai Health System is an integrated health care system providing exceptional patient care.

Associate Director of IT Security — June 2012 - April 2016
- Managed security engineering team responsible for all IT Security software and systems.
- Managed security administration team responsible for account provisioning and access management.

Senior Linux Systems Administrator - July 2000 - June 2012
- Designed and developed Ruby on Rails application for account management and network provisioning, password resets, access requests, approvals & certification, incident and change ticketing, project management, and general IT work order ticketing,
- Provided Linux and Solaris systems administration for infrastructure applications such as email mailbox servers, anti-spam gateways, DNS, VPN, firewalls, web and application servers, etc.

Education

City University of New York, Hunter College — BA, Computer Science, Minor in Mathematics

Credentials

- Certified Information Systems Security Professional
- Red Hat Certified Engineer