DEVINA DHAWAN

Chicago, IL

info@devilabs.org

Vocation

Founder, Devi-Labs
Chicago, IL (Remote) — July 2020 - Present

Devi-Labs is a non-profit whose mission is to provide accessible and low-cost programming classes to local communities. We strive to educate women and gnc (gender non-conforming) folks about computer science. We have taught 26 women & gnc how to code with 3 programming classes, one of our students is currently interviewing for a full stack development internship after completing a bootcamp.

Girls Who Code, Chicago, IL
Instructor of Advanced II – Cloud Security & Hardware Hacking (August 2014 - 2021)

Mentor, Brooklyn & Chicago
Budding Engineers (July 2020 – Present) – A program I created to grow aspiring engineers

Staff Security Engineer, Shopify
Chicago, IL (Remote) — August 2022 - Present

- Architected and Implemented homegrown IP Allowlisting solution in Github for a Zero Trust company using WARP, Terraform, and a little bit of Github Magic.
- Sole SME - Github Security - Architected and Implemented universal security controls for all Github accounts (including Compliance). Helped migrate & secure new monorepo
- SME - Local Development Security - Implemented security controls using Jamf Protect, Santa, and internal tool registries
- Sole SME - AI Security - Architected and Implemented MCP Security controls and monitoring
- Designed and Implemented metrics dashboard for entire InfraSec organization which continued to monitor the effectiveness of our security controls [Splunk, Looker]

Staff Cloud Security Engineer, Cryptocurrency Exchange
Chicago, IL (Remote) — July 2021 - August 2022

- Architected and Implemented Okta's Access Gateway for all internal authn/authz, replacing the existing home-grown solution, which sits on the critical path. [Terraform, Ansible, Python]
- Created paved paths for infra & devs in AWS Cloud, including terraform modules and architectures
- SME in Vault Secrets Management, helped create documentation, trained infra & devs regularly, and helped architect future Vault infrastructure in EKS [Terraform, Ansible]
- Created internal `security-womeni` as a support for all security & infrastructure femmes. We met on a bi-weekly basis and did internal training and talks.
- Maintained production tpm linux machine required for all production configuration changes. [Ansible]
- Created secure-by-default terraform modules to migrate from click-ops to devsecops!

Security Architect, Hulu
Chicago, IL (Remote) — September 2018 - March 2021

- Productionized Vault (Hashicorp) for centralized secrets management which now sits on the critical path.
- Created a centralized documentation hub for `all things vault` to aid administrators as well as developers
- Worked with teams migrating to Kubernetes, and AWS in general to help facilitate a direct integration with Vault, such that now Vault sits at 491rps since September [Terraform]
- Automated disaster recovery and worked with Hashicorp so that they can develop the same for their customers. This work will be open sourced soon! [Terraform, Python]
- Facilitated a cloud enablement effort, and then a cloud migration effort to AWS
- Created a metrics & reporting structure from scratch along with a new way to track security risk in a risk/issues register. Trained on quantitative risk measurement [Risk Lens]
- Created a report to advise senior management to deprecate old infrastructure – this report single handedly saved the Security team over a year's worth of labor intensive work.

Infrastructure Security Engineer, Etsy
Brooklyn, NY — January 2016 - August 2018

- Created and managed infrastructure and security baseline for Amazon Web Services by setting up security tooling [Scout2, Evident.io], creating a logging/alerting pipeline [Cloudtrail, ELK and 411], setup best practices throughout the organization
- Created and managed the entirety of the architecture for a Google Cloud Platform Migration, set up security monitoring & alerting [Stackdriver, Slack integration, Forseti, GScout], set up IAM, networking [Shared VPC], organizational policies, and access management infrastructure
- Worked on tooling for auto creation of cloud infrastructure [Python]
- Used terraform to manage the deployment and administration of AWS & GCP resources
- Created a tool called cat-walk that would do reconnaissance on our Windows Fleet [PowerShell]
- Updated and managed tool called NetMyo, modules to accomplish security tasks [Python]

- Replaced legacy logstash-forwarder with filebeat across the fleet and entire DC infrastructure

Information Security Engineer, Orbitz Worldwide

Chicago, IL — May 2014 - December 2015

- Created and maintain a DDOS mitigation application that continues to block over 1M automated requests per day [Node.js]
- Head of Incident Response and responsible for all security incidents and reporting for quarterly review
- In charge of vulnerability management along with how it pertains to PCI and incident response [Java]
- Manage internally built SFTP to transfer all PII and PCI files between OWW and 3rd Parties [Ruby]

Public Talks

SheCurity 2022 / BSides 2024
Creating a Successful Career in Security Engineering

Thotcon 2017 / O'Reilly Security 2017 / Code As Craft 2017 / Meetups
How to Secure Existing AWS Infrastructure

AWS Meetup 2020
Terraform 101

Education

University of Illinois at Chicago, Chicago, IL
B.S. Computer Science (minor in Mathematics)
Fall 2010 - Spring 2014