

Evan Kohout

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Experienced Sr. Site Reliability Engineer with 12+ years of experience in both development and administration environments.

Skills

- AWS/GCE Infrastructure management
- Fargate / Lambda / GKE
- Docker containerization
- K8s administration, monitoring and management
- ArgoCD
- Github Actions
- Cloudflare
- Okta
- Terraform / CDK
- Advanced Linux/Unix exp
- Python/Bash scripting / automation
- ETL Job authoring / AWS Glue
- JS/TS frontend development
- Postgres SQL / Redshift/BigQuery / GraphQL
- Java/Rust web service development
- Strong understanding of web-based technologies, security and infrastructure

Experience

Edge & Node

September 2022 - Current

Team: SRE / Ops Team

Role: SRE

At Edge and Node, part of the SRE team of a small 60 person startup supporting The Graph. The Graph indexes and exposes blockchain data via GraphQL and runs a large K8s environment that supports the indexing and querying operations of those GraphQL interfaces. The work was mainly in K8s management, which included applying manifests, deploying new applications/services/statefulsets, creating CI/CD pipelines and troubleshooting performance issues on the clusters. Database management and troubleshooting of postgres SQL was also done due to the large managed SQL environment run for the indexing operations. This included creating indexes, updating versions of postgres and managing instance types for the postgres shards that supported the GraphQL resolvers. Other projects included Okta integration into the company as well as Cloudflare administration.

Amazon.com

April 2016 – August 2022

Team: Amazon Connections / AFT

Role: DevOps Engineer

At Amazon, I worked on 2 different teams, the AFT team which supported the critical Tier-1 services that support FC (Amazon warehouse) operations and the Amazon Connections team, which was an HR team supporting a new internal product called Connections. During that time, I worked in large and small teams. The AFT team was very large and consisted of lots of oncall in a fast paced, sensitive environment where escalation and root causing were critical. Root causing and deep dive of issues often meant logging onto the linux based machines of the services themselves and finding out what exactly went wrong.

During my time on the Connections team, I helped grow the team from a small group of 3 engineers to what it is now, which consists of 10 teams at 2 different locations, the amazon Toronto office and Seattle. I made bug fixes to our main java backend web service, helped transition that service to Native AWS and helped write deployment stack infrastructure code. The Connections team was a full stack team consisting of a JS based client app based on the electron framework and a TS based SPA which was run in the container. I worked and made code changes to both and coordinated with other teams on deployments of the app to all machines at amazon (~400,000 machines).

Lead integration efforts from our vended API's to other internal teams looking to onboard onto the Connections service. Documented and helped other developers build frontend applications using the Connections service as a backend.

Other big projects included client metric logging to AWS S3 and AWS Redshift via a client logging stack that used AWS Glue, lambdas and Kinesis Streams to process messages. Also, rebuilding legacy infrastructure using AWS CDK and deploying and managing those CDK applications when updates were needed.

Costco Wholesale Corporation

January 2013 – April 2016

Team: Application and Service Integration Team

Role: web services systems administrator

Worked in group of 8 other system administrators and system engineers maintaining the middleware and messaging side of Costco's Integration stack. Worked with the IBM DataPower xml appliance in support of SOAP and REST based web services. Worked with logging in Splunk for troubleshooting. Managed AIX and RHEL hosts for use in application testing, hosting of tools, and logging. Automation of tasks through the use of Cron and UC4. Maintenance and deployment of code performed on daily and oncall basis. Worked with externally hosted and internal service providers. Worked on Apigee hosted api gateway solution for Costco.

Fusion Technology LLC

January 2011 December 2012

Project: FBI SoSRP/EIMS Development task subcontractor to SRA/Platinum Solutions LLC

Role: Systems Engineer

Worked in a team of 10 other system administrators and systems engineers to support different dev and test environments for development work of a project being delivered to the FBI's Criminal Justice Information Services division. Worked with Vmware vsphere 4.1 and esxi 4.1 to build and administer over 100 vm's per environment. Worked with installation and reinstallation and documentation of software installation procedures in coordination with technical writers on the project. Checked files in and out with IBM's ClearCase SCM tool. Worked directly with administration of WebSphere application server 6 and 7 and deployments and IBM HTTP server. Supported developers in daily activities and problems in the environment such as bind entries, ldap problems (Tivoli Directory Server 6.1 was used) and user account management through IBM TIM.

Worked extensively with IBM's DataPower XML security gateway and development work with test web services and WSDL creation and deployment. Worked with developers to administer and SOAP web services to enable SAML security for testing in SoapUI.

Jeffersonian Media LLC

October 2008 January 2011

Project: The Mountaineer Jeffersonian LLC Operations/Cofounder

Role: System Administrator

Cofounded and worked at a small newspaper at the campus of West Virginia University.

Worked with a team of 3 other system administrators to stand up client workstations in a Windows XP active directory environment.

Configured and administered backend infrastructure supporting services for 40+ clients built on a mixed of Solaris 10, Windows server 2003, and Centos 5.3. Hosted website and email for the company using apache and postfix. Deployed vmware esxi 3.5 on intel hosts and virtualized the entire environment except for the sparc equipment. Worked with backups on the network with Legato Networker backup software.

Configured and secured local network via ios and pfsense.