@hopisaurus
jabost

Andrew Bost

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📍 Atlanta, GA

Skills

aws cdk, pulumi, Terraform, Terragrunt, Helm, K8s, Docker, DataDog, nginx, systemd, Postgres, MySQL, Bash, Python, Typescript, Rust

Experience

Royal.io

Location: Atlanta, GA (Remote) Title: Infrastructure, Security, Ops   **Duration: June 2023 – Present**

-Redesigned cloud infrastructure and reduced costs 60% month over month.
-Implemented improved infrastructure deployment tooling using AWS CDK.
-Designed and implemented new CI/CD pipeline utilizing OCI initiatives for Helm Packages and Docker images.
-Developed ArgoCD github action for sync and commit tracking. Implemented new 1Password secret automation, utilizing a single dotenv template that generates each environments secrets. Improved security posture through Passkey authentication. Defining security bug bounty program. Converting to IRSA and assume-role based authentication.
-Renegotiated contracts to reduce unused tools and overall spend on SaaS tooling (DataDog, AWS, Customer.io)
-Improved EKS cluster configuration and upgraded to supported versions. Reduced node sizing via Karpenter upgrades and tuning. Improved security posture of cluster via LinkerD/Traefik hardening on network traffic.

BostLabs.xyz

Location: Atlanta, GA (Remote) Title: Owner   **Duration: March 2023– Present**

-Contract infrastructure engineering, architecture, and design of cloud hosted systems.
-Supporting and updating existing infrastructure as code systems. Terraform (OpenTofu), CDK, Pulumi.
-Upgrades to Kubernetes clusters and configurations to match latest developments and releases.
-General development consultation and engineering.
-Training junior and new-to-tech developers, using LLM and IDE tools.

Golden Recursion

Location: Atlanta, GA (Remote) Title: Platform Engineer   **Duration: Dec 2022 – Apr 2023**

- As the tech lead for Infrastructure at a web3/crypto startup, I took ownership of the company's developer experience and infrastructure. To improve efficiency and productivity, I spearheaded a major migration from a monolithic architecture to a microservice-based ecosystem, leveraging AWS and Kubernetes for declarative operations. This initiative has resulted in a significant boost in engineering velocity and a reduction in the time required for engineers to contribute to our product.

Voyager Digital

Location: Atlanta, GA (Remote) Title: Cloud Engineer   **Duration: July 2021 – Dec 2022**

-Lead the creation of new multi-AWS account environment, successfully migrated over 15 microservices and 8 databases to the new environment. This implementation allowed for multi-region failover, reduced resource costs, and greatly improved our security posture. To support this effort, I reviewed architectural diagrams, wrote documentation, and participated in a SOC2 audit.
-As point-of-contact for infrastructure and services, I also regularly participated in design sessions with other teams. I wrote extensive infrastructure-as- code using Terraform and Helm to create and maintain our AWS infrastructure and Kubernetes clusters. I also implemented a CI/CD system to deploy infrastructure-as-code using Github Actions and Spacelift. This allowed the Infrastructure Team to easily commit and automatically deploy changes. I helped plan our network's CIDRs with attention to non-overlapping communication for future expansion.
-To support application deployments, database migrations, and automated testing in EKS clusters, I implemented ArgoCD and Kustomize. I also used Teleport and Okta SSO for seamless and secure access to our RDS databases and EKS clusters, reducing new developer onboarding by multiple days.

Bakkt

Title: Platform Engineer Location: Atlanta, GA (Remote)   **Duration: Oct 2020 – July 2021**

-Technical lead for application infrastructure and migrating to new multi-account structure. Designed Azure infrastructure utilizing TerraGrunt and Terraform. This led to well documented and easily changeable infrastructure across the entire engineering organization. Developed automation scripts with Ansible to patch, modify, and recover VM's, reducing engineer toil and manual tasks.
-Advised teams to utilize new Azure infrastructure, which decreased our deployment times by minutes, and improved our core application uptime. Wrote/tested VM terraform module, reducing build agent start time and overhead for my team

Intercontinental Exchange

Location: Atlanta, GA Title: Senior DevOps Engineer   **Duration: July 2015 – Oct 2020**

-Designed Kubernetes build agents for Jenkins
-Implemented Artifactory JFrog migration from Nexus
-Designed and migrated CI/CD workflows for company acquisitions
-Designed Jenkins CI/CD workflow with Bitbucket On-Prem
-Designed Jenkins Automation with Python for patch, modify, and recover Jenkins Systems.
-Documented and trained teams on DevOps practices Gradle, Maven, CMake, Conan, and Ninja build support and integration

ETrade Financial

Location: Atlanta, GA Title: Linux System Admin   **Duration: June 2012 – July 2015**

-Created website that tracked alerts from Nagios for critical alarms and events to help strengthen overall alert tracking and management
-Management of all production systems patching, optimization, and maintenance.
-Scripting in Bash to resolve issues and self-heal through core file analyzing and removal after system crashes Debugging production issues from overnight batch processing systems

Wandering WiFi / AirWatch

Location: Atlanta, GA Title: Network Admin   **Duration: Sept 2011 – June 2012**

-Remotely configured network devices with local on-site team.
-Monitoring site installations and troubleshooting customer reports for network issues. Provided triage support for on-site network equipment.

Education

Kennesaw State University – Coles College of Business
Duration: 2007 – 2011
Degree: B.Sc., Information Security & Assurance