Graham Krizek

graham@krizek.io
https://krizek.io

Summary

Passionate Software Engineer with more than 5 years of hands-on experience. I am skilled in building automated, scalable, and highly available applications in the cloud and on-premise. I am focused on blockchain and cryptocurrency analysis and trading. In combination with 7 years of involvement in the Bitcoin community, I am able to effectively bridge the gaps between technology, economics, and finance.

Skills

- Amazon Web Services
- Python
- Lambda
- Docker
- Ansible
- CloudFormation
- Node.js
- Peer to Peer
- SQL
- Git
- Cryptocurrencies
- Proof of Work
- Proof of Stake
- Security
- Mining
- Quantitative Analysis
- Risk Assessment
- Algorithmic Trading
- Big Data
- Data Modeling

Experience

NodeSource,   Remote (Current)   March 2017 - Present

- Site Reliability Engineer leading service uptime, developer integrations, and build pipelines.
- Wrote a 30,000 line serverless application in Python for infrastructure automation and management.
- Streamlined business and operations automation via programmatic API integrations.
- Created CI/CD Pipelines with CodeBuild and CodePipeline for rapid development and deployment.
- Built, packaged, and hosted Node.JS Linux packages for 70% of the world's downloads.
- Built ChatOps tools that enabled developer independence and streamlined deployment processes.
- Distributed over 15 highly available microservices running in Amazon ECS with Docker.

Email on Acid,   Denver, CO   June 2016 - March 2017

- DevOps lead responsible for AWS and on-premise environments running primarily Linux servers.
- Increased site speed 20% by transitioning from Apache to Nginx.
- Implemented Chef with CloudFormation to reduce server configuration time and maintenance overhead.
- Reduced AWS costs by 30% while increasing product efficiency with SQS, S3, and EFS.
- Distributed platform across geographically diverse regions for increased uptime.
- Architected proper security and access management through IAM, STS, and SSH Keys.

Fruition,   Denver, CO   July 2015 - June 2016

- Lead System Administrator/DevOps Engineer for a fast growing hosting platform.
- Increased service uptime 35% by creating MySQL Replica Set with HA-Proxy.
- Heightened scalability by utilizing EC2 services with RDS and configuration management.
- Created deployment strategies with Git, Capistrano, Vagrant, and Chef.
- Resolved after-hours incidents and recovered from outages during on-call rotation.

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Experience (continued)

K-State Network Operations Center,   Manhattan, KS   December 2013 - July 2015
- Responsible for day to day operations and management of data center infrastructure.
- Developed and executed an emergency mitigation strategy for server and security issues.
- Security management involving compromised accounts, botnets, and threat detection.
- Utilized ticketing system to de-escalate and resolve over 100 incidents a day.

Education

- Bachelor of Science - Major in Business Operations, Minor in Economics
   Kansas State University, Manhattan, KS 66502

- Artificial Intelligence for Trading - (In Progress)
   Udacity Nanodegree in partnership with WorldQuant

Certifications

- Amazon Web Services Certified DevOps Professional
- Amazon Web Services Certified Solutions Architect Professional
- Amazon Web Services Certified Solutions Architect Associate
- Amazon Web Services Certified Developer
- Amazon Web Services Certified SysOps Administrator
- CompTIA Security+ Certification - SY0-401
- WatchGuard Firewall Essentials and Policies Certification

Projects

- Beam - Cosmos Validator Manager - https://github.com/gkrizek/beam
   Open Source tool to efficiently run and manage a Validator architecture for the Cosmos Network
   2nd Place in HackAtom3 contest

- Hirola - 0x Relayer Infrastructure and Deployment Tool
   Command Line application to create and manage infrastructure & code for a 0x Relayer.

- Vortex - CryptoAsset Exchange API Manager
   Single API to interact with all CryptoAsset Exchange APIs. Creates less code and more security.