

Bryce Frazier

[mrbycefrazier AT gmail DOT com](mailto:mrbycefrazier@gmail.com) | linkedin.com/in/bryce-frazier/ | github.com/bfraz

SUMMARY

Full-stack Engineer with a great understanding of software, systems and data engineering principles. Results-oriented and customer focused professional with a consultative mindset and good sense of understanding of how technology should drive business outcomes. Takes an automation-first approach to solving problems. Great team player with excellent written and verbal communication skills. Speaker at various containers and Kubernetes conferences and meetups.

CERTIFICATIONS

Certified Kubernetes Administrator (CKA-1800-0581-0100), Certified Kubernetes Application Developer (CKAD-1800-0146-0100), Certified ScrumMaster (000852533), AWS Certified Solutions Architect – Associate (B0LDLPXCL2V11SCQ), AWS Certified Developer – Associate (K4P099V2DE1E1JGD), AWS Certified SysOps Administrator – Associate (NBLGEHKK22V11JWW), AWS Certified Security – Specialty (0TCQGE722NEQQSGM), AWS Certified Big Data – Specialty (M187R93CCNF4QHG7), AWS Certified DevOps Engineer – Professional (VJBBW2M12FQ41Z9K)

EXPERIENCE

Sr Consultant, Oteemo

November 2018 - Present

- Sent to a client behind schedule, having troubles deploying OpenShift. After reviewing their current automation, assisted in the deployment of OpenShift in two days, allowing the multimillion dollar Government contract to be renewed.
 - Assisted in transitioning the team from waterfall to scrumban
 - Identified gaps in monitoring, alerting, AWS IAM privileges, and onboarding plan to ensure operational maturity
 - Deployed to Production
 - FISMA High rating (first known OpenShift cluster in AWS US GovCloud with HIGH SECURITY compliance)
 - Encryption at rest; encryption in transit; 180 day retention on: audit logs, app logs, syslogs, cluster backups; ldap user expiration; security scanning; disaster recovery exercises; etc
- Deployed an ATO'd Kubernetes cluster in AWS US GovCloud
 - Used a combination of CFT, terraform, kubespray (wraps kubeadm), and helm
 - Deployed to Production
 - FISMA High rating (first known Kubernetes cluster in AWS US GovCloud with HIGH SECURITY compliance)
 - Encryption at rest; encryption in transit; 180 day retention on: audit logs, app logs, syslogs, cluster backups; ldap user expiration; security scanning; disaster recovery exercises; etc
- Participated in behavioral and technical interviews for incoming Oteemo Sr. Consultants.
- Trained and assisted other Oteemo consultants in OpenShift deployments
- Involved in Sales Calls
 - Demo relevant offerings
 - Generate architecture diagrams from their needs
- Taught internal and external Kubernetes trainings, ranging from 1 to 3 day trainings

Site Reliability Engineer, Capital One

October 2016 – November 2018

- Presented talks on Kubernetes at various Meetups and Conferences
- With a team of highly motivated engineers – deployed the first Kubernetes cluster (K8s) to Production in May 2017
 - Dedicated to real-time and micro-batch decisioning use cases (i.e. fraud prevention, call center optimizations)
 - K8s cluster contains Kafka, Zookeeper, Flink, Grafana, Influx, Redis, Seldon, Pachyderm, Prometheus, Nifi, Zeppelin, Drill, Kubeflow, and other applications to provide a rich ecosystem for tenants
- Assist tenants in deployment of their applications on Kubernetes
- Assist non-technical Product Owners to drive intent for Platform resiliency
 - AMI baking / automation optimizations to reduce bootstrap times of instances from 25 to 5 minutes
 - Migration of quorum established apps across multi-azs (zookeeper, etcd, etc)

- Multi-region failovers
- Manage and maintain 5+ Kubernetes clusters for application lifecycle management (dev, qa, prod)
- On-call Production support 24/7
- Mentor and train other DevOps and Site Reliability Engineers
- Interface with other teams and departments for required compliance regulations (IAM, Security groups, D.R., etc.)
- Developed CI/CD job for cluster upgrades and replacing AMIs with latest security patches
- Automation of AWS products: ASG, EBS, Route53, EMR, CLBs/ALBs (ELBs)
- Automated taints/tolerations and dedicated nodes for various tenant workloads (Flink, Kafka, custom ML apps, etc.)
- Supported efforts of multi-region disaster recovery (D.R.) and participated in D.R. drills
- Assisted other departments in provisioning their own Kubernetes clusters
- Interviewed DevOps and SRE candidates

Devops Project Lead, B23

March 2016 - October 2016

- Automation, Configuration, & Deployment of Distributed Systems in AWS US GovCloud:
 - Zookeeper, Hadoop HA & MR2, Accumulo, Consul, and ELK
 - Custom SPAWAR applications
- Built custom solutions for Cloudtrail and Cloudwatch log ingestion to ELK
 - Custom visualizations for unusual access patterns
 - Before Lambda and ELK-as a service existed in AWS US GovCloud

Big Data Developer, B23

October 2015 - March 2016

- Agile environments: Kanban and Scrum
- Creating Data Pipelines with Nifi, S3, and ELK
- Automating Hadoop ETL workflows with Airflow, Kafka, Spark, Hive, and Sqoop
- Full Stack Javascript Development
- Automation of AWS products: VPC, EC2, EBS, Route53, EMR, and RDS
- Migration of Data Warehouse and Software Applications to AWS

Software Engineer, Monsanto

May 2014 - July 2015

- Agile environments: Kanban, Scrum, and XP. Pair- programming. TDD
- Webservices with Java, Spring, and Hibernate/JPA
- Microservices with Scala, Akka, Spray, and Slick
- Mobile Applications with Objective-C and Swift

Truman State University Web Developer

June 2013 - May 2014

- DB management, VB.NET, HTML

Bioinformatics Developer, Truman State University

January 2012 - May 2013

- Modeling the 4-cell stage embryo of *C. Elegans*.
- Developed evolutionary algorithms to analyze the model and understand its limitations.

Teaching Assistant, Truman State University

August 2011 - December 2012

- Tutored students and graded assignments for Calculus 1 & 3.

EDUCATION

Truman State University, Kirksville, MO

- Bachelor of Science in Computer Science
- Bachelor of Science in Mathematics