

Jesse Cotton

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Senior DevOps Engineer

Fifteen years experience in architecting, deploying, and managing mission-critical applications and infrastructure in cloud and on-premise environments. Expert in utilizing Infrastructure as Code tools, containerizing applications, building CI/CD pipelines, streamlining developer workflows, writing documentation and playbooks, instrumenting and monitoring applications, and all steps involved in getting an application from idea to production, with a proven track record. Strong software engineer with experience building web applications, APIs, and data pipelines in a multitude of environments and languages. With involvement building a business I have an ownership mentality and the acuity to navigate business and engineering goals to deliver successful solutions. Looking to transition from contracting to full-time, aiming to see the long-term tangible results of my efforts while joining a great team and building strong personal relationships.

Technical Proficiencies

Cloud Services:	Amazon Web Services (VPC, EC2, Lambda, RDS, S3, many more), OpenStack
Containerization:	Docker, Kubernetes, AWS ECS
Infrastructure as Code:	Terraform, CloudFormation, Ansible, Chef, Puppet
CI/CD:	Jenkins, Gitlab CI, CircleCI, TravisCI
Logging & Monitoring	DataDog, Sentry, Splunk, ELK, CloudWatch
Languages:	Python, Ruby, Go, Javascript, PHP, Java, Shell
Design & Development Concepts:	12-Factor App, Microservices and Distributed Computing, Web and RESTful API Development, Data Pipelines, Serverless
Other	Linux/Unix, Postgres/MySQL, Git, Agile/Scrum, SOC 2

Professional Experience

Bitlancer Engineer I Partner

2012 – Present

Collaborate with over 40 organizations ranging from startups to Fortune 100s and with roles ranging from Site Reliability Engineer to DevOps to Full-stack Developer. Specialize in rapid acclimation to new projects, consistently delivering value, meeting milestones, and ensuring smooth project transitions. Re-engaged by multiple clients for successive projects as testament to quality and impact of delivered work.

SaaSWorks Full-stack Developer I Contractor

2022 – Present

Second contract with SaaSWorks with an expanded role that allowed contributions ranging from web application development to data modeling to various infrastructure projects.

- Engineered bespoke solution for ingesting data from a new data source that presented unique challenges due to cost of data access, data volume, and presence of sensitive data. Successfully architected and deployed a cost effective solution that relied on push and pull data flows, batch processing with full and incremental syncs, and data filtering and tokenization.
- Orchestrated migration of data pipeline to containerized environments.
- Implemented automated tests, continuous integration pipelines, and comprehensive documentation for deployment processes and developer workflows, substantially improving developer efficiency.
- Setup synthetic monitoring and a dashboard for several critical application workflows.

Capital One DevOps Engineer I Contractor

2020 – 2021

Integral member of team tasked with building a Machine Learning Feature Platform for the Identity Management branch of the organization. Floated between roles - DevOps, MLOps, developer - to ensure we hit important milestones.

- Provided recommendations and guidance in many areas: infrastructure & compute scaling, configuration driven architecture, asset & feature versioning, deployment and release workflows.
- Developed technical documentation and user-journeys and was complimented for my ability to present very technical concepts & designs to non-technical stakeholders.
- Solely responsible for deploying and managing the infrastructure, and the associated code deployment pipelines.
- Unblocked initial prototyping and testing efforts by rapidly deploying a test environment.
- Made substantial contributions to the core Feature API and compute engine including a refactor that lead to major performance improvements.
- Accelerated data source integration by establishing relationships with external teams working on similar problems.

SaaSWorks DevOps Engineer I Contractor

2019 – 2020

Spearheaded Cloud Engineering initiatives to establish a secure and scalable infrastructure for SaaSWorks' initial customer base.

- Set up new cloud environments aligned with industry best practices and tightened security.
- Implemented Infrastructure as Code templates and automation for deploying core networking and infrastructure, and customer stacks.
- Delivered turnkey automation for getting a complex customer environment up in less than 30 minutes.
- Developed and deployed the orchestration platform to support version one of their data pipeline.
- Implemented a dashboard for monitoring the data pipeline including alerting on failures and metrics such as run time, data volume, variances.

USAA Cloud Engineer I Contractor

2019

Core member of Infrastructure as Code enablement team responsible for developing and maintaining the Terraform modules, tooling, pipelines, and workflows used by internal teams to manage their infrastructure and deliver their applications.

- Contributed to 30+ Terraform modules and custom Terraform providers for deploying various AWS services following best practices and enforcing standards and policies defined by the organization.
- Established several processes and architecture patterns that improved developer efficiency.
- Made substantial contributions to developer facing documentation, examples, and code generators. Thanked for providing thorough documentation that allowed a seamless transition to internal maintainers, and accelerated adoption by their internal teams.

Full work history documented on [LinkedIn](#).

Education

Bachelor of Science in Computer Science | 2012

Stockton University, Pomona, NJ

Graduated Cum Laude