

# Jonathon Carlyon

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## SUMMARY

Versatile technologist specialized in full-stack development and DevOps, with a rich foundation in quality assurance. Co-founder of a tech startup, adept at scaling a platform with high monthly visitor counts. Recognized for leadership capabilities, consistent success in production deployments, and a knack for navigating diverse technical roles, all while guiding teams to achieve their best.

## SIDE PROJECTS

### [CannMenus.com](#) — Co-Founder & CTO

November 2018 - Present

- Lead the engineering efforts for CannMenus.com, achieving over 130k monthly visitors through strategic location-based pages and static site generation via NextJS.
- Architect and maintain infrastructure using Terraform, encompassing a Kubernetes cluster running Kafka for substantial daily message processing.
- Developed an event-driven platform using streaming technologies to aggregate cannabis e-commerce data.
- Engineered product solutions (NextJS+FastAPI) to facilitate consumer product searches and provide businesses with actionable market insights.
- Optimized Postgresql databases for high-throughput and performance with extensive product data.

## EXPERIENCE

### **PatientPoint, Chicago** — DevOps Engineer

April 2023 - Present

- Developed reusable terraform modules for AWS, Snowflake, Confluent Cloud, and MongoDB, optimizing resource management and deployment efficiency.
- Implemented AWS WAFv2 with managed rules, enhancing security across multiple attack vectors.
- Contributed to the golden-AMI and container pipeline, handling monthly AMI security patching.
- Implemented AWS networking solutions, including AWS VPN and Transit Gateway.

## CLOUD PROVIDERS USED

AWS                      Digital Ocean  
Azure Devops      GCP

## TECHNOLOGIES USED

Docker                      Kubernetes  
Concourse                  Jenkins  
Terraform                  ElasticSearch  
Postgres                    Redis  
Kafka                        Faust  
FastAPI                      Strimzi  
Django                      Flask  
React                        NextJS  
TailWind CSS

## LANGUAGES

Python  
JavaScript  
Bash  
Ruby  
Groovy  
Go

## **SpotHero, Chicago — Senior SDET II**

September 2019 - December 2022

- Pioneered a mentorship program, elevating employee growth and standardizing position transitions, notably enabling a manual QA transition to an SDET role.
- Developed an application to monitor mentorship progress and modularize learning experiences.
- Facilitated weekly scripting sessions enhancing manual QA team coding skills, resulting in independent webtest creation and debugging capabilities.
- Established a webtest framework and empowered development teams through educational workshops and direct mentorship.
- Integrated a Pact Broker, promoting consumer-driven contract testing to validate microservice compatibility early in the development cycle.

## **Strike Social, Chicago — Senior Test Automation Engineer**

June 2018 - January 2019

- Unified CI processes by implementing a shared Jenkins library.
- Innovated with the creation of a Slack Bot to manage Nomad deployments.
- Laid the foundation for an integration test framework inclusive of smoke tests.
- Pioneered strategies for ephemeral test environments, enhancing testing flexibility.

## **Uptake, Chicago — DevOps Engineer**

MAY 2017 - MAY 2018

- Crafted a versatile CI pipeline compatible with Uptake's diverse tech stack.
- Enhanced monitoring by integrating SonarQube metrics with InfluxDB, visualized through Grafana dashboards.
- Produced a SonarQube API wrapper in Python, automating various quality tasks.
- Developed and sustained a data-validation tool, ensuring ETL process accuracy within contractual boundaries.
- Designed a Flask application enabling POs to swiftly modify data validation schemas in response to client updates.

## **Kapow, Chicago — Quality Assurance Engineer**

JULY 2016 - MAY 2017

- Authenticated releases, ensuring quality before production deployment in an e-commerce environment.
- Supported an eight-member developer team, maintaining quality deliverables within weekly sprints.