

# Connor Penhale

mailto: [cwpenhale@gmail.com](mailto:cwpenhale@gmail.com)  
Tel: +13035526680 (mobile)  
6421 W 72nd Dr  
Arvada, CO 80003

# Enterprise Software Architect

Open Source & Cloud Evangelist  
Servant Leader  
Entrepreneur

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## Executive Summary:

- Developing Enterprise Applications utilizing Java EE and Messaging since 2005
- Fortune 500 Experience: Bank of America, Coca Cola, CVS, Home Depot, Wells Fargo
- Founded Startup in 2014, \$150k fundraising, \$150k revenue, 5 staff, 13k+ personal man hours

## Battle-Tested Experience and Deep Technical Acumen:

- Enterprise Integration Patterns, Distributed Computing, and Messaging with technologies like *Apache Camel, JBoss / Wildfly, Elasticsearch, JMS, Websockets, REST, Nginx, PostgreSQL*
- DevSecOps in the Cloud, on-premise, and in hybrid environments with technologies like *OpenShift, Kubernetes, Jenkins, OAuth, Puppet, Ansible, ManagerIQ, Foreman, CloudFormation*
- Design, Deployment, and Operation of On-Premise Datacenters with technologies like *OpenStack, OVirt, Ceph, Cinder, iSCSI, SAN, Hyper Converged Infrastructure, HA, DR*

## Professional Experience:

Perforce - OpenLogic – Louisville, CO  
Enterprise Architect

10/2018-Present

12/2012-04/2015

As an enterprise architect at OpenLogic by Perforce, I advise >\$40MM companies, many of them in the Fortune 500, on Open Source Software best practices and decisions. I often augment teams in leading pair programming, teaching their developers the best ways to utilize technologies like Kubernetes, and how to develop using next-generation technologies like Kafka, Cassandra, and Node while bridging the gap with existing skills, often in Java and Spring. I specialize in solutions involving messaging and big data, and have taught courses on the best practices in CI/CD, DevOps, 12-Factor Apps, and the enabling technologies that those solutions require. I regularly take an on-call shift as a Tier 4 so my skills and awareness of how customers are utilizing OSS are always sharp and on-target.

Turnberry Solutions – Englewood, CO

02/2018-10/2018

Java Lead

Embedded at Comcast to tackle ETL business requirements through event-driven programming using core Java, Spring Boot, Camel ESB, Kafka, Avro, and other technologies. Developed a data ingestion platform that was an improvement on compute efficiency and overall footprint (down from six hosts to one with a cold spare). Migrated legacy Apache Spark code to simpler Spring Integration code, using Kafka ingestor with Async thread library, again improving efficiency and reducing compute footprint.

Artisan Data, Inc. D/B/A Compliant Cannabis – Arvada, CO  
CEO, CTO, Co-Founder

11/2014-02/2018

## *Connor Penhale, Enterprise Software Architect*

I founded Compliant Cannabis to serve the needs of the burgeoning legal cannabis industry in the United States and internationally, in Guam and Germany. My team and I braved hundred hour weeks and inadequate paychecks for three years in our first genuine attempt to bring a startup from seed stage to a Series A financing event.

- Accepted and graduated from CanopyBoulder Fall 2015 Startup Accelerator cohort, including a demo day with 300+ industry experts
- Raised over \$150k from accredited investors, generated over \$150k in revenue
- Developed distributed Camel-based Enterprise Service Bus (ESB) for SmartBee Controllers to manage tens of thousands of IoT sensors for cannabis farmers
- Technology, security, and application architecture consulting for leading cannabis consultants, Submitting 7 applications for cannabis licensure in Pennsylvania, Germany, and Ohio
- Wrote responses to RFC's to the government of Guam and Pennsylvania for open source strategies related to small governments and chain of custody
- Utilized Foreman, Puppet, OVirt / RHEV-M, FreeIPA, Kerberos, maven, junit, Sonatype Nexus, and Zabbix to automate roll-out of private PaaS to run the Compliant Cannabis application in 2015
- Migrated to OpenShift in 2017 to bring the latest in Docker, CI/CD, and microservices technology to the cannabis industry
- Utilized Wildfly, Switchyard, RESTEasy, jBPM, JWT, JMS, HornetQ, Elasticsearch, nginx, and lua to create highly available, fault tolerant, and geographically redundant backend architecture for Compliant Cannabis

Polycom, Inc – Westminster, CO

03/2011-12/2012

One of three top-tier experts in Polycom, my peers and I work to support four SLOs to very different organizations: Polycom Global Services (PGS), and the sales, training, and engineering organizations. Every day balances training development and delivery, solutions architecture for new and never-before-seen deployments, an influx of new escalations, and volatile priority management. With responsibilities including official root cause analysis documentation, service provider support, and 24/7-on-call with international travel, I have experienced some of the best-managed, intelligently-planned network environments, and inherited some of the most challenging issues. As the lab manager, I am also responsible for maintaining hundreds of virtual and physical machines, including the Infrastructure-as-a-Service platform that I implemented to manage it. At Polycom, I have designed video-as-a-service implementations for the largest Tier 1 service providers in the United States with Lync Hosted Platform, developed and conducted training for thousands of employees and partners, managed highly-volatile customer relationships, and have absolutely thrived in a challenge-rich environment.

- Service Architecture for delivery of Polycom Real Presence Platform components in a virtualization platform-agnostic management engine and interface for QA/lab work and training delivery

## Connor Penhale, Enterprise Software Architect

- Solutions Architecture of highly complex Unified Communications networks with a focus on interoperability testing and capacity planning, including disaster recovery, high availability, and upgrade/migration risk mitigation

Full CV Extends to 2005; please email [cwpenhale@gmail.com](mailto:cwpenhale@gmail.com) for complete work history.

### Media:

Compliant Cannabis, Demo Day November 2015 – <https://youtu.be/jm7ypR4DYVs?t=3538>

Compliant Cannabis Software Demo – <https://youtu.be/PcPUDDuQn8M>

Compliant Cannabis Partner Reels (All filmed, produced, edited by Connor Penhale) –

<https://youtu.be/WcONDhZJEhs>, <https://youtu.be/VIONImEeUfl>, <https://youtu.be/kqLntGKnt38>

Marijuana Business Daily Article – <https://mjbizdaily.com/another-security-breach-mj-freeway/>

ArcView Investor Forum Scottsdale, AZ February 2016 – <https://youtu.be/YPZstbb4hz8> \*

Compliant Cannabis, ArcView Webinars, March 2016 – <https://youtu.be/R4ZiXZa CAU> \*

\* Message me your email address for access

### Free and Open Source Software:

JAAS-enabled Modeshape JCR Repository to Apache Mina SSHD

<https://github.com/cwpenhale/modeshape-scp>

HLS support as a plugin for Red5

<https://github.com/cwpenhale/red5-hls-plugin>

Red5 for JBoss 7, messaging/eventing and HLS streaming

<https://github.com/cwpenhale/red5-mobileconsole>

Processing-based visualizer controlled by MIDI and MS Kinect

<https://github.com/cwpenhale/rmfc-visualizers>

### Professional Certifications:

ITIL v3 Foundation, Office Communications Server 2007 (MCTS), Office SharePoint Server 2007 (MCTS), Windows Server 2008, Server Administrator (MCITP), Exchange Server 2007 (MCTS)