

# Mathew Moon

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## *Top Skills*

- Cloud Solution Architecture, especially in AWS, for enterprise-level applications
- Application Containerization for Docker
- Container orchestration using Docker Swarm, Kubernetes, and ECS
- Database administration using Postgres, MySQL, AWS Athena + Glue, Dynamodb, and other solutions
- Backend application development using Python, GoLang, and PHP
- Package development for Kubernetes using Helm
- Direct administration of Kubernetes, including EKS clusters
- OS level server administration including security hardening, building custom AMI's, and resource monitoring
- Project management

## *Work History*

### **Quinovas LLC**

Senior Solutions Architect

**05/2017 - Present**

#### **Overview**

- Lead Solutions Architect, providing consulting to our customers
- Product ownership for customer projects
- Cloud Architecture
- Application development
- Project Management

### **Freelance Consulting**

Owner/operator

**01/2017 - 05/2018**

#### **Overview**

- Product ownership for customer projects
- Management of subcontractors
- Application development, Cloud Architecture, DevOps

### **The RoundHouse**

Solutions Architect

**06/2016 – 01/2017**

#### **Overview**

- Provide full project life-cycle for incubated startups from initial planning to application delivery
- Cloud Solution architecture design for products
- DevOps
- Application development
- Project management

### **BBVA Compass**

Support Engineer/Systems Analyst

**01/2016– 06/2016**

#### **Overview**

- Identified bugs and security vulnerabilities in BBVA's OpenPlatform
- Provided tier 1 support to third party developers
- Reviewed system and application configurations for vulnerabilities and improvements
- Authored tools for systems analytics

### **Jamersan LLC.**

Systems Engineer / Developer

**2015-2016**

#### **Overview**

- Architecture and deployment of custom hosting platforms for Ecommerce sites.
- Customer engagement and ownership of DevOps projects for enterprise Ecommerce sites
- Development of enterprise Ecommerce sites (Magento, Adobe, Big Commerce)

### **Vipaar LLC.**

Principal Systems Engineer

**2014-2015**

#### **Overview**

- Server-side software Development
- Architecture and deployment of applications and application environments
- Architecture and management of custom a cloud platform using OpenStack

### **KnownHost LLC.**

Systems Administrator/Developer/Support Supervisor **2012 to 2014**

#### **Overview**

- Responsible for bare metal OS administration, updates, software installation and security over cloud provider infrastructure.
- Provided tier 1 support for outages and escalation of customer issues
- Developed tool chains for infrastructure management
- Managed customer support staff

### *OpenSource Projects*

#### **Python Packages**

<https://pypi.org/project/cognitoinator/>  
<https://pypi.org/project/appsync-router/>  
<https://pypi.org/project/dynamodb-stream-router/>  
<https://pypi.org/project/json-deserializer/>  
<https://pypi.org/project/aurora-prettyparser/>  
<https://pypi.org/project/alembic-multischema/>  
<https://github.com/mathewmoon/cognito-auth-server>

#### **Docker**

<https://github.com/mathewmoon/tillerless-helm>  
<https://github.com/mathewmoon/helm3-docker>

<https://github.com/mathewmoon/aurora-pgpool>

<https://github.com/mathewmoon/zendesk-app-tools-docker>

<https://github.com/QuiNovas/bookkeeper-docker>

## **Helm**

<https://github.com/mathewmoon/k8s-register-targets>