

Jonathan Hardison

Cloud DevOps

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EXPERIENCE

Jack Henry & Associates, Remote — *Staff Software Engineer*

July 2021 - Present

Responsible for DevOps processes, tools, environment support and engineering efforts as part of the Banno team within Jack Henry Digital.

- Support and operate a large Jenkins environment and related build and deployment pipelines.
- Build and support pipelines on additional CI/CD platforms including Azure DevOps and GitHub Actions.
- Support of a microservice based financial software product platform including build and deployment processes, as well as post deployment support and operations in production.
- Provide operations and engineering of a multi cloud environment including Azure, AWS, and on-premises data centers running VMWare.
- Support and Maintain Artifactory environment and build pipelines provided as a service to multiple business units..
- Research and enhance automation and deployment pipelines to include new technology to displace old methods for management, and improve processes of automation platforms.
- Support and enhance Slack bots used for automation, or operations tasks including writing additional code in Go (SlackOps).
- Create and Maintain Terraform based IaC, and Chef for ongoing config management of environments.
- Design and implement enterprise foundation automation pipelines and IaC processes for Google Cloud using published Terraform modules and reusable GitHub Actions.
- Implement and manage ArgoCD and related workflows in the delivery pipeline replacing legacy processes.
- Work with teams to design and implement shared network interconnects to cloud tenants through Equinix cloud exchanges and direct connect platforms.
- Provide mentorship to other engineers as part of tech lead responsibilities.
- Take part in on-call rotation for after hours support of critical financial systems environments.
- Provide continued engineering and architecture guidance for Azure and VMware across multiple business units.

SKILLS

Azure, GCP, VMware

Docker, AKS

Jenkins, Azure Pipelines, GitHub Actions

Linux, Windows

Terraform, Ansible, Chef

C#, Javascript, Bash, NodeJS,

Python

Datadog, Prometheus, Grafana

Hashicorp Vault

Current Certifications

ITIL Foundations v3

KCS Principles v5

Microsoft Certified: Azure Administrator Associate

Jack Henry & Associates, Springfield, MO — *Solutions Architect, Adv*

May 2014 - July 2021

Responsible for taking projects from idea to a fully developed and implementable solution as part of the Enterprise Architecture Team. Worked across teams to incorporate best practices for network, systems, and security, while also introducing new concepts and practices not yet adopted within Jack Henry. Assist with evaluation and implementation of cloud technologies and educating teams involved.

- Designed and built Azure based production and development environments, including automation integration to provision subscriptions and deploy services.
- Provided design and architecture for migration of cloud based platform from AWS, into on-premises multi-tenant private cloud.
- Developed and implemented AWS organization and strategy.
- Designed enterprise container strategy leveraging cloud native and hybrid deployment models with AKS and Docker EE with Swarm and Kubernetes.
- Developed training path and certification options for operations and engineering teams to ramp up skills on container ecosystems.
- Developed strategy for modern application tracing and monitoring.
- Designed and built developer "BYOD" style wireless environment, policies, and use-guides. Developed automation integration for use in self-service registration of wireless devices.
- Technology agnostic evaluation and recommendation for Knowledge-Management in the department, based on incorporating KCS principles. Established foundation guidelines and participated on KMS Council to drive vision and adoption.
- Designed and implemented a strategy for use of GitHub.com as an additional code repository in the enterprise.
- Developed and executed test plans for various proof-of-concepts that required creation of example code, and load testing using Locust.io.

Jack Henry & Associates, Springfield, MO — *Applications Engineer, Sr*

September 2010 - May 2014

Install, service, and maintain various software middleware and integration platforms built by Jack Henry as a customer facing support group. Part of the advanced services team handling training, hosted platform design and install, real-time wires platform operation and support, Install and Support escalations, and development group support. Provide support to third party integrators in the development cycle for consuming Jack Henry Web Services. Involved with the development process of new products and services, helping to shape the vision and implementation.

- Wrote and administered training for new versions of the platform, including lab design and scenario testing.
- Implemented standardized vendor testing for new third party integrators to help reduce common first time consumer mistakes, and increase customer satisfaction.
- Worked with third parties to assist in consuming exposed API's, knowledge, and testing for approval to sell to the customer base.
- Provided application testing procedures to identify performance issues with core integration and real time wires platforms.
- Capture, test, and validate services using load testing to match production hosted platforms. This allowed identification and resolution of several application issues only present in that environment.

Prior Experience

- Computer Information Systems, Skokie, IL – Network Engineer
- Choice Solutions, Joplin, MO – Systems Engineer
- United States Air Force, Network, Switching, Cryptographic Systems Apprentice (2E23)

EDUCATION

Coursera — Google Crash Course on Python

April 2021

Udacity — Android Basics Nanodegree

August 2018

Java development, Android user interfaces, input, multi-screen apps, and networking.

Pima Community College, Labette Community College, Community College of the Air Force

General education courses.

PROJECTS

Portfolio

portfolio.jonathanhardison.com

Is Game Online - Alexa Skill

Published skill as part of learning NodeJS and applying it. <https://isgame.online>

Example Azure KeyVault HSM

Created an example project using KeyVault HSM for XML signing, acting as base knowledge for the internal team needing to use the process.

<https://github.com/jmhardison/Example-AzureKeyVaultHSM-XMLSigning>