

EXPERIENCE

- **Cognizant** Asheville, NC
July 2022 — Present
 - **Director & Technical Principal**
 - **AbbVie:** Provided Enterprise Architecture best practices to OUS organization
 - * set up confluence for team
 - * provided process for creating ADRs (architecture decision records)
 - * provided process for ARBs (architecture review boards)
 - * provided distribution list and how to manage it for the OUS architects
 - * provided weekly blog articles for training
 - * facilitated group collaboration on creating principles and guidelines
 - * provided roadmap for leveraging reference architecture
 - * provided reference architecture leveraging taxonomy of Volatility Based Decomposition
 - * created shared team calendar
 - * created architecture CoP (community of practice)
 - * facilitated office hour meetings
 - **Cognizant Security Community of Practice lead:** Started Security Community of Practice for Tech Mod consulting organization
 - * provided shift left training material
 - * created teams channel
 - * created wiki in teams channel
 - * created standard interview questions for potential candidates
 - * defined what security means to consultants in tech mod organization
 - * provided roadmap for development
 - * created team calendar
 - * facilitated meetings
 - **Cloudboost:** Co-managed team that implemented services to provision cloud accounts with guardrails in the 3 major CSPs
 - * wrote in golang
 - * followed the 3musketters pattern for development experience
 - * deployed to AWS EKS via Helm charts
 - * implemented IaC for application all in Terraform
 - * implemented IaC for guardrails all in Terraform
 - * implemented CI/CD with github actions
- **Nexient** Asheville, NC
August 2021 — May 2022
 - **GIA:** Provided reference Volatility Based Decomposition architecture for lab operations platform, Beacon
 - * provided and trained development team with reference architecture
 - * provided devsecops runway for development in github actions workflows to AWS
 - * provided multi-region HA suggestions for architecture
 - * managed roles and responsibilities for project
 - * provided roadmap for devsecops runway
 - * provided templated Terraform modules for cloud resources
 - * provided pipeline for Terraform module development to AWS
 - * provided roadmap for development of Beacon
 - * managed Jira for team
 - * provided onboarding instructions for new developers
 - **Fidelity:** Trained team of Juniors on azure, k8s, helm, and Jenkinsfiles for app migration
 - * provided process flow diagrams for every step
 - * delivered process flow diagrams to client
 - * migrated on premise applications installed on rancher k8s to aks
 - * updated helm chart for new installations

- * created and/or updated Jenkinsfiles for new installations
- * connected all services to centralized datadog instance
- **Wesco:** Provided Evolutionary Database Design reference for DevOps suggestion with the following goals
 - * dark deployments
 - * feature toggles
 - * canary releases
 - * immutable infrastructure
- **Bench:** Trained and supported those on bench for devsecops
 - * migrated internal applications from classic VM to containerized ACS solution
 - * trained team on Azure DevOps
 - * trained team on Jenkins
 - * trained team on Azure pipelines
 - * trained team on Docker and containerization

• Contino

Lead DevOps Consultant

New Orleans, LA

Oct 2020 — August 2021

- **Discover:** Designed and taught dojos, being accelerated classes to teach specific engineering practices with hands on examples of the following topics
 - * TDD
 - * BDD
 - * Contract testing
 - * Personas
 - * Vertical slicing
 - * VSMs
 - * CI/CD
- **The Hartford:** Client needed Snowflake to be accessible to their data scientists and to access their VPC data privately in AWS
 - * designed cloud access solution
 - * implemented Cloudformation template
 - * provided live demonstration for key milestones
 - * trained team in best practices

• DXC

Senior DevOps Engineer

New Orleans, LA

Oct 2018 — June 2020

- **Platform DXC:** A data center and cloud Kubernetes solution for enterprise cloud development, monitoring, automation, and workflows
 - * standardized build processes
 - * consolidated source code repositories
 - * standardized access to source code
 - * leveraged secrets management via HashiCorp Vault
 - * developed helm charts for deployment of tools
 - * provided centralized version controlled configuration
 - * implemented continuous integration via Jenkins pipelines
 - * wrote custom resource definitions in python
 - * provided API wrapper for any other client deployed in Kubernetes stack
 - * provided serverless access to exposed API layer via Kubeless
- **Domain Task Orchestrator:** Cloud based Kubernetes tool to facilitate other tools to communicate with one another
 - * designed solution
 - * isolated workflows to directed acyclic graphs
 - * provided live demonstration for key milestones
 - * trained team in best practices
 - * replaced incomplete legacy solutions
 - * integrated into platform offering
- **Train Junior Developers:** Provided ongoing training to other teams of the following

- * git
- * python
- * Kubernetes
- * Docker
- * API design via swagger
- * Design Patterns
- * Best Practices
- * IDE customization and configuration

• Baker Hughes

Staff Build and Release Engineer

New Orleans, LA

Dec 2016 — Oct 2018

- **Platform Operations Advisor:** A cloud based (PREDIX) industrial IoT solution for Oil Platforms
 - * standardized build processes
 - * consolidated source code repositories
 - * standardized access to source code
 - * provided centralized version controlled configuration
 - * implemented continuous integration via Jenkins pipeline
 - * containerized full stack
 - * enforced git-flow change management
 - * designed and implemented CA Rally based deployment strategy
 - * consolidated legacy UAA configuration
 - * automated PREDIX environment for deployment
 - * designed visual representation to communicate processes
 - * coordinated all build and release engineers for the project
 - * setup portable and standardized development environment
 - * enforced semantic versioning for all released artifacts
 - * designed and implemented release process
- **Digital Pipeline:** A Cloud based (PREDIX) GIS industrial IoT solution for managing risk on pipeline networks via visualizing customer provided inspections information and real time sensor data
 - * built continuous integration server
 - * automated job creation via Jenkins jobs DSL
 - * coordinated all build and release engineers for the project
 - * containerized development environment
 - * created and maintained source code repositories
- **Reliance:** Cloud based (PREDIX) real time monitoring of de-salter equipment used to alert operators of potential upsets based on sensor data and historical trends
 - * leveraged existing continuous integration server
 - * cleaned up existing Bamboo based jobs
 - * coordinated all build and release engineers for the project
 - * rewrote build scripts to use best practices
 - * maintained source code repositories

• GE Digital

Senior Software Engineer

New Orleans, LA

June 2016 — Dec 2016

- **Intelligent Pipeline Management:** Legacy data-center based GIS industrial intranet solution for managing risk for pipeline networks visualizing customer provided inspections information and real time sensor data
 - * introduced jHipster to team
 - * train junior Software Engineer on SOLID practices
 - * wrote Selenium driven test suite leveraging jBehave
 - * refactored legacy code base

• GE Oil and Gas

Senior DevOps Engineer

New Orleans, LA

Mar 2015 — June 2016

- **Engage Drilling:** Customer collaboration portal to support offshore drilling industry with documentation, service, and Contractual Service Agreements

- * implemented Continuous Integration via shared Jenkins service
- * composed Chef recipes for AWS infrastructure
- * wrote kitchen based test suite for infrastructure
- * wrote bash scripts for manual deployments to said infrastructure
- * migrated deployments from delivery based system to bash deployments
- * trained team on use of above
- * collaborated with corporate team for use of shared chef server

- **GE Capital**

Senior Java Developer

New Orleans, LA
Oct 2012 — Mar 2015

- **Commercial Distribution Financing:** Legacy GWT risk analysis calculator for commercial loans.
 - * added features from client to legacy code base
 - * removed bugs from legacy code base
- **SecureOS:** Recipes for secure operating systems to provision servers.
 - * architected full chef based solution for SecureOS footprint based on STIG ISOs
 - * implemented solution in chef
 - * trained team on solution
- **ESB layer for banks:** Service Catalog and shared SOA middleware for online banking solution
 - * architected full stack solution to replace legacy code
 - * implemented in JAVA using Spring guided by WSDL
 - * leveraged contract first best practices
 - * documented suggested deployment process

- **Applied Enterprise Solutions**

Java Developer

Slidell, LA
Feb 2012 — Oct 2012

- **Inventory program:** Software based Naval equipment program
 - * trained in best practices for java solutions
 - * implemented WSDL based backend methods
 - * extended functionality of existing code base

- **U.S. Department of Energy**

Java Developer

New Orleans, LA
Sep 2011 — Apr 2012

- **SAP:** Software to track learning of employees
 - * edited workflow to include development environment
 - * provided process for adding and replacing test content for end users
- **Sharepoint:** Microsoft made instance to share documentation
 - * implemented Java based migration software to move millions of files with folder based META into sharepoint
 - * ran said Java software for successful migration

PROGRAMMING SKILLS

- **Languages:** Ruby, JS, Java, bash, python, lisp, L^AT_EX, etc.
- **Technologies:** AWS, Azure, Cloud Foundry, Chef, Jenkins, Ansible, Terraform etc.

EDUCATION

- **Michigan Technological University**

Bachelors of Applied Physics and Mathematics

Houghton, MI
Aug. 2000 — May 2005

VOLUNTEER

- **Operation Spark**

Created and taught DevSecOps curriculum

New Orleans
June 2019 — Aug. 2021

REFERENCES

Available upon request.