

EXPERIENCE

- **Cognizant** Asheville, NC
Director - Technical Principal *July 2022 - Present*
 - **Security Community 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
 - * written in golang
 - * following the 3musketters pattern for development experience
 - * deployed to AWS EKS via Helm charts
 - * IaC for application all in Terraform
 - * IaC for guardrails all in Terraform
 - * github actions for CI/CD
- **Nexient** Asheville, NC
Delivery Director for DevOps *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, 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.