

## EXPERIENCE

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- **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
    - \* 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  
*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

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- **Languages:** Ruby, JS, Java, bash, python, lisp, L<sup>A</sup>T<sub>E</sub>X, etc.
- **Technologies:** AWS, Azure, Cloud Foundry, Chef, Jenkins, Ansible, Terraform etc.

## EDUCATION

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### • Michigan Technological University

*Bachelors of Applied Physics and Mathematics*

Houghton, MI

*Aug. 2000 — May 2005*

## VOLUNTEER

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### • Operation Spark

*Created and taught DevSecOps curriculum*

New Orleans

*June 2019 — Aug. 2021*

## REFERENCES

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Available upon request.