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EXPERIENCE

- **Nexient** — New Orleans, LA
  Delivery Director for DevOps — *August 2021 - Present*

  - **Wesco**: Provided Evolutionary Database Design reference for DevOps suggestion with the following goals
    * dark deployments
    * feature toggles
    * canary releases
    * immutable infrastructure

- **Contino** — New Orleans, LA
  Lead DevOps Consultant — *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** — New Orleans, LA
  Senior DevOps Engineer — *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** New Orleans, LA
  Staff Build and Release Engineer *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**   New Orleans, LA
  Senior Software Engineer   *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**   New Orleans, LA
  Senior DevOps Engineer   *Mar 2015 - June 2016*

    - ○ **Engage Drilling**: Customer collaboration portal to support offshore drilling industry with documentation, service, e-commerce, 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**   New Orleans, LA
  Senior Java Developer   *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** — Slidell, LA
  Java Developer — *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** — New Orleans, LA
  Java Developer — *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, etc.   **Technologies**: AWS, Cloud Foundry, Chef, Jenkins, etc.

EDUCATION

- **Michigan Technological University** — Houghton, MI
  Bachelors of Applied Physics and Mathematics — *Aug. 2000 – May 2005*

REFERENCES

Available upon request.