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EXPERIENCE

- **DXC** — New Orleans, LA
  Senior DevOps Engineer — *Oct 2018 - Present*

  - **Platform DXC**: A data center and cloud Kubrenetes 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 Kubrenetes stack
    * provided serverless access to exposed API layer via kubeless

  - **Domain Task Orchestrator**: Cloud based Kubrenetes 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
    * Git
    * Python
    * Kubrenetes
    * Docker
    * API 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) industial 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
- ∗ dockerized full stack
- ∗ enforced gitflow 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
  - ∗ dockerized 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 exisiting 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 datacenter 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 selinium 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, ecommerce, 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 sucessful 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; GPA: 3.9 — *Aug. 2000 – May 2005*

References

Available upon request.