

JOSEPH DIPERI

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Portfolio: Jdiperi.com

TECHNICAL SKILLS

LANGUAGES

- [Python](#), [Bash](#), [JavaScript](#), [HashiCorp Configuration Language \(HCL\)](#), [Jenkins Pipeline](#), [SQL](#), [HTML](#), [CSS](#)

LIBRARIES/Frameworks

- [React](#), [Redux](#), [Redux-Toolkit](#), [React Native](#), [Styled-Components](#), [Jest](#), [Cypress](#), [Node.js/Express](#), [jQuery](#), [Bootstrap](#), [Postgres](#), [MySQL](#), [Oracle](#)

CONTROL/DEPLOYMENT

- [Terraform](#), [SaltStack](#), [AWS](#) ([IAM](#), [Route 53](#), [ECS](#), [EC2](#), [EMR](#), [Step functions](#), [Lambda](#), [Cloudwatch](#), [S3](#), [Elastic beanstalk](#)), [Jenkins](#), [Kubernetes](#), [Google Web Designer](#) ([HTML 5 Animated Banner ads](#)), [Github](#), [Bitbucket](#), [Heroku](#), [Netlify](#), [Litmus](#)

PROJECT MANAGEMENT

- [Jira](#), [Pivotal Tracker](#), [Workfront](#)

DESIGN

- [Figma](#), [Sketch](#), [Invision](#), [Photoshop](#), [Illustrator](#)

EXPERIENCE

Exome Services

New York, NY

Devops/Software Engineer

Jul 2020 - Present

- **Devops/Backend**

- Architected a new infrastructure from the ground up using [infrastructure as code](#) methods ([Terraform](#), [Jenkins Pipelines](#)) to create a predictable infrastructure state that will lead to fewer bugs and cleaner deployments.
- Created [Jira Automations](#) to reduce redundant manual tasks and created a board structure that gave more granular visibility into a task's/story's life cycle.
- Integrated [Bitbucket](#) with [Jenkins](#) to authenticate users and scan repositories for [Jenkinsfile](#) to create multi-branch pipeline jobs automatically.
- Added a tagging strategy shared between all [AWS](#) resources in [terraform](#) for more flexible granular cost analysis.
- Implemented [ECS](#) for container orchestration and managed deployments.
- Provided guidance for best practices and administered code reviews to a team of developers that contributed to the [terraform](#) repo.

- **Frontend**

- Created guidelines and made decisions on what frontend technologies the team should use and guidance on the implementation while providing code reviews for a group of developers.
- Helped architect a styled component library for the frontend leading to more scalable [DRY](#) code.
- Completed urgent frontend tasks/bug fixes when necessary.
- Created frontend documentation around testing and identified the type of test required for specific situations.

Proclivity Systems

New York, NY

Devops/Software Engineer

Mar 2019 - Present

- **Devops/Backend**

- Monitored [ETL workflow](#) through [Opswise](#) ([Automation Control Software](#)) and analyzed logs in case of a failure and self-resolved (if possible), or contacted the responsible party to settle quickly.
- Managed a self-hosted [Hadoop](#) infrastructure run on [Linux CentOS](#) [EC2](#) instances.
- Implemented [check based monitoring](#) using [Icinga2](#)
- Created [Python](#) scripts to resolve common [Hadoop](#) failures and ran a [cron](#) to check every specific interval of time to fix any failed nodes or tasks if it occurred.
- Leveraged [Terraform](#) to provision [AWS](#) resources through code
- Automated user/configuration management through [Salt States](#) by using [SaltStack](#).
- Used [SaltStack](#) in combination with [Jenkins](#) for continuous code deployment.

- **Frontend**

- Maintained the frontend web application platform built in [react](#) and [redux](#).
- Built testing protocols to reduce bugs by leveraging [cypress](#) and [jest](#) for unit, integration, and end to end tests.
- Implemented a complete code refactor and redesign utilizing a custom-built styled component library to [DRY](#) up the code base and expedite development time through code reusability.

- o Developed a Style Guide in Sketch that included symbols based on the custom-styled component library to speed up the wireframe process.
- o Built a theme system that allows the platform to appear different based on the specific domain/site used.

In Marketing

Norwalk, CT

Devops/Full Stack Developer

Jan 2018 - Feb 2019

- Managed deployments utilizing Elastic Beanstalk
- Created 100s of HTML 5 banner ads in Google Web Design for several fortune 500 clients that were served on different Ad platforms such as ESPN.
- Developed responsive HTML emails for fortune 500 companies developed in litmus to test cross-client/browser capability.
- Provided continuous training to the creative team on email, banner-ad, and website design best practices.
- Managed and delivered multiple projects within short deadlines regularly

Projects

DiPeri Family App

- Developed a web application using the microservices architecture, with the react frontend hosted on Netlify, and Express API hosted on Heroku.
- **Problem:**
 - o My spouse and I wanted a way to automate saving our son's daycare photos including the ones with other students, which they don't let you download instead of downloading each image manually every day.
- **Solution:**
 - o Configured a web-hook using the Gmail API to send any email from the daycare email address to my web app server.
 - o I then parse the email's HTML to download the image and upload that image to S3 and store that URL in the Postgres DB, so the frontend web app can access all the photos. I also do a curl request to the image URL to check if there is a download attribute in the HTML, so that I can label the photo as private (don't want to post pictures to a site with other kids in it without other parents permission.)
 - o Every image is also sent to our family members' electronic picture frames to get daily updates of our son.

Invitation Tracker

- A full-stack web application hosted on Heroku leveraging react on the frontend and Express on the backend.
- **Problem:**
 - o My wife and I wanted a way to send custom HTML emails to our baby shower guests and track what invitees are attending and render different responses based on their selection.
- **Solution:**
 - o This application leveraged [Sendgrid](#) by configuring a webhook when a user clicks on our custom HTML email links which sends a response to our web server to record their decision in a Postgres DB.
 - o The link also redirects the user to a frontend where they are displayed a message customized based on their choice.

EDUCATION

Liberty University

Master of Arts, Teaching, GPA 3.5

Lynchburg, VA

May 2013

- Education, Philosophy

City University of New York (CUNY) - John Jay College

Bachelor of Science, Economics, GPA 3.3

New York, NY

May 2010

- Microeconomics, Macroeconomics, Forensic Accounting