

# JOSEPH DIPERI

Kinnelon, NJ 07405 | (347) 538-4145 | [JDiperi88@gmail.com](mailto:JDiperi88@gmail.com)

[Portfolio: Jdiperi.com](http://Portfolio: Jdiperi.com)

## TECHNICAL SKILLS

---

### LANGUAGES

- [Python](#), [Bash](#), [JavaScript](#), [Go](#), [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](#), [Apache Airflow](#)

### PROJECT MANAGEMENT

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

### DESIGN

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

## EXPERIENCE

---

### Exome Services

New York, NY

*Technical Lead*

October 2021 - Present

- Implemented engineering process improvements for Sprint deliverables, QA procedures, and Release Management
- Guided engineering SDLC by stewarding technical design proposals, peer reviews, and broad technical discussions
- Helped establish engineering best practices for the team and ensured engineering output met standards
- Mentored & supported a team of 11 engineers on tasks across the technological stack
- Designed, developed, code-reviewed, QA, documented, and deployed key services and applications
- Worked closely with executive management, product management, project management, and fellow engineers to effectively advance the platform's features, functions, and services and ensured the technology effectively solves business needs

### Exome Services

New York, NY

*Lead 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

*Lead Devops/Software Engineer*

Mar 2019 - Present

- **Devops/Backend**
  - Monitored ETL workflow through Opwise (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](#)

- o 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.
- o Leveraged Terraform to provision AWS resources through code
- o Automated user/configuration management through [Salt States](#) by using SaltStack.
- o Used SaltStack in combination with Jenkins for continuous code deployment.

- **Frontend**

- o Maintained the frontend web application platform built in react and redux.
- o Built testing protocols to reduce bugs by leveraging cypress and jest for unit, integration, and end to end tests.
- o 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

*Devops/Full Stack Developer*

Norwalk, CT

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 a 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 Parsed 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 made 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 (I don't want to post pictures to a site with other kids in it or 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 leverages [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