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# Michael R. Dinerstein

**Software Engineer, Full Stack Web Applications & Data**

## Summary

Full stack engineer with over 12 years of professional web development experience. I love to design and build interactive, informative, and *interesting* software products with a variety of tech. I thrive in a team environment, but can navigate on my own as well. I've been building openresume.org as time allows, learning new things about growing my own platform. I've contributed to open-source projects such as Flagsmith and WPGraphQL TestCase.

## Technical Skills

- **10+ years**: HTML, CSS, JavaScript, jQuery, PHP, SQL, WordPress, Analytics.
- **5+ years**: React, TypeScript, GraphQL, NodeJS, Headless WordPress, Jest, SCSS, CI/CD, GitHub Actions.
- **3+ years**: Next.js, AWS, Docker, VS Code Dev Containers, Salesforce, Cypress, Cloud Infrastructure.
- **2+ years**: Python, PHPUnit, WPCS, Pytest, Pardot, PostgreSQL.
- **1+ years**: Kubernetes, Airflow, Flask, CloudFront, Selenium Webdriver, Prisma, SQLAlchemy.
- **Familiar with:** Redis, MongoDB, DocumentDB, S3, EC2, CloudWatch, SES, SEO, Google Tag Manager, JMeter, Playwright, Terraform, Go, Java, Ruby.

## Work Experience

**The Real Deal** - New York, NY (Remote) - February 2022 to August 2024

**Senior Full Stack Developer**

- Solved complex caching challenges between Next.js, CloudFront and Kubernetes to reduce infra costs.
- Improved team code review and development practices to reduce friction and improve reliability.
- Set up CI workflows for front-end, back-end, and data applications, increasing confidence in deployments.
- Configured VS Code Dev Containers, improving cross-team collaboration and new developer onboarding.
- Improved stability and performance of flagship responsive websites (3M+ monthly visitors).
- Designed and developed a proprietary address matching and geocoding solution to improve data accuracy.
- Architected and built a quarantine system to analyze bad data for cleansing, improving data integrity.
- Designed an API to manage and share internal data for cross-team collaboration.
- Configured QA browser automation and reporting for the QA team to enable automated testing in GitHub Actions and on local machines using the same configuration.
- Developed a performance test suite for web and API endpoints for the QA team.

**Recording Radio Film Connection & CASA Schools** - Los Angeles, CA (Remote) - January 2014 to February 2022

**Lead Developer / Designer** - July 2018 to February 2022

- Developed Salesforce-integrated payment portal with Authorize.net and TypeScript.
- Managed projects and oversaw contract work from vendors, mentored developers and designers.
- Launched a custom learning management system and provided onboarding support and training.
- Developed an invoicing system and customized feedback loop for students and staff.
- Coordinated org-wide Salesforce and Pardot upgrades and training in partnership with a contractor.
- Designed and built new marketing websites for flagship products using headless WordPress and React.
- Designed a system to organize customer realtime customer reviews for use on market-specific landing pages.
- Designed a geo-targeted tier system to optimize the sales funnel in Salesforce with Apex and custom fields.
- Implemented automated testing with Jest and React, and CI with GitHub Actions and Cypress.

**Web Developer / Designer** - January 2016 to July 2018

- Designed and developed a custom learning management system for hybrid, visual learning.
- Improved website performance and SEO in partnership with contractors.
- Developed internal APIs to publish content across multiple sites faster.
- Designed and built landing pages, multi-step forms and surveys.
- Implemented version control for all projects with GitHub.

**Junior Graphic Designer** - January 2014 to January 2016

- Designed and developed marketing and blog websites, school curriculum and marketing graphics.
- Developed custom interactive curriculum exercises with HTML, JavaScript, Canvas, web audio API.
- Designed ad campaigns, creative templates, email blasts and print banners.

**Urban Farm Agency / itBrand.co** - Long Beach, CA (Remote) - June 2016 to July 2018

**Senior Web Developer, Contract** - June 2017 to July 2018

- Mentored and worked with other designers and developers to ship projects for a variety of verticals.
- Designed and built websites and web applications for clients in WordPress.

**Graphic Designer / Web Developer, Contract** - June 2016 to June 2017

- Designed logos and website graphics for clients.
- Built and updated landing pages and email campaigns.

**Self-Employed / Freelance** - (Los Angeles, Remote) - November 2011 to July 2018

- Met with clients to scope out work and plan projects, ensuring their visions came alive in graphics and web.
- Worked with a variety of verticals including motorsports, legal, beauty, real estate, entertainment, places of worship, portfolios, construction, ecommerce, and education.

## Projects

- **TRD News** - headless WordPress high-traffic news site, worked with tech lead to migrate standard WordPress installations to a performant Next.js + headless setup on Kubernetes in AWS: https://therealdeal.com/
- **TRD Data** - subscription real estate data access portal. Focused on the full stack, but also coordinated efforts between data engineers and researchers, web developers, designers and QA: https://therealdeal.com/data/
- **RRFC Student Portal** - custom learning management system, designed and developed to meet state compliance standards, engage students and track progress: https://vimeo.com/285858970
- **RRFC Reviews** - API to sync survey responses and repurpose for marketing and sales, developed to streamline customer feedback into usable marketing materials.
- **OpenResume** - Interactive resume builder with custom open-source theming system: https://www.openresume.org/r/michael-dinerstein

## Education

**Santa Monica College** - Santa Monica, CA

- **Database Applications Developer**, *Department Certificate*
- **Web Programmer**, *Department Certificate*