

TODD OHANIAN

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CORE SKILLS

Languages TypeScript • JavaScript • Node.js • GraphQL • SQL • Python • HTML • CSS
Technologies React • Apollo Server/Client • Webpack • Redux • Vue.js • D3.js • Next.js • Gatsby • Ruby on Rails • GraphQL • Google BigQuery • Redis

PROFESSIONAL EXPERIENCE

Bustle Digital Group, New York, NY - Product Engineer *Oct 2020 - Feb 2023*

- Extended caching layer using Apollo Client type policies to centrally handle merging, transforming, and paginating
- Implemented analytics pipeline using Google Analytics Pixel to collect data in BigQuery, enabling non-technical team members to create performance dashboards
- Expanded analytics capabilities to track multiple user interactions (e.g. story completion, time spent per post)
- Added a centrally configurable theme that standardized component styles across CMS
- Wrote an extendable backend class that performed semantic analysis of media-rich content
- Implemented websocket middleware in Apollo Client as a React hook, supporting user collaboration in the CMS
- Refactored critical top-level modules to TypeScript enforcing type safety in component-level code

Genesis Global Trading, New York, NY - Frontend Engineer *Feb 2019 - Oct 2020*

- Wrote middleware to flexibly provide authentication to multiple microservices with diverse security requirements
- Developed a new realtime cryptocurrency prime brokerage app with > 30 updates/sec. Wrote features including price discovery, aggregated order book, trade execution, and custody services
- Built frontend using Vue.js, Webpack, & TypeScript, creating configurable and reusable component library
- Used D3.js to make interactive visualizations. Evaluated and implemented libraries for advanced financial charting
- Built backend API in Python with Flask for order management, connecting to Cassandra and Postgres databases
- Implemented production and development CI/CD pipelines using GitLab DevOps tools
- Wrote unit tests in Jest with component snapshots to provide test coverage for critical app functionality

Shift Markets, New York, NY - Frontend Engineer *April 2018 - Feb 2019*

- Built a front end for a full-featured cryptocurrency exchange platform with the ability for traders to place orders
- Designed UI features in JavaScript with React that render financial data supplied by the back end via websockets
- Developed in a Reactive architecture using RxJS to program functionally in an observer and iterator pattern
- Styled front end features in CSS and SASS designed to utilize both wide screen and mobile user experiences

Lee Spring Company, New York, NY - Quality Control Manager *September 2014 - September 2017*

- Managed the quality department in five manufacturing facilities, interfacing daily with international divisions

FREELANCE PROJECTS

Everything is Everything - Review site featuring over 200 bagel shops across the five boroughs. everythingiseverything.nyc

- Implements a custom location map using the Google Maps API which supports user interaction
- Sources client data via CMS and builds static site with reviews and visualizations made with D3
- Implements a Continuous Deployment pipeline with git hook to initiate build on server

Highley Varlet - Blogging site chronicling a weekly marathon-length walks by routes through NYC. highleyvarlet.com

- Site built in Gatsby which supports an updating feed and individual post pages managed through Netlify CMS

EDUCATION

California State Polytechnic University, Pomona - BS in Electrical Engineering *May 2013*

HOBBIES

Cycling - Completed solo bicycling trip from Los Angeles to New York City *April 2014 - June 2014*