

JACKSON R. COHEN

Full Stack Software Engineer

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Technical Skills

Languages - JavaScript, TypeScript, HTML, CSS, PHP Basics, Mandarin Chinese

Frameworks & Libraries - React (Hooks), Next.js, Context API, Redux, React Router, Node.js, REST, GraphQL

Databases & ORM/ODM - MySQL, MongoDB, SQLite, Sequelize, Mongoose

Tools & Deployment - Git, AWS, Heroku, Docker, Nginx, Webpack, Jest, Enzyme, Agile Scrum, TDD

Work Experience

Bundlefi | Full Stack Engineer

April 2020 - Present, New York, NY

- Build tools and systems using TypeScript, React, Next.js, and GraphQL for clients to manage sensitive data
- Create CMS for company-wide digital content to improve developer efficiency by directly interfacing with the database
- Oversee authentication and authorization systems for user account management
- Provide input on high level decisions with upper management as the company quickly expands

Access Group Housing | Full Stack Engineer

June 2019 - April 2020, New York, NY

- Developed and implemented responsive features using Bootstrap 4 within a production PHP codebase
- Employed production level ticketing system with remote and in-house workforce on GitHub
- Acted as main point of reference for front end technical decisions including code review and pull request oversight
- Organized and implemented Google Analytics data tracking campaigns to improve SEO performance

Galvanize Inc | Software Engineering Immersive Resident

May 2019 - August 2019, New York, NY

- Conducted code reviews and live debugging sessions to ensure technical readiness
 - Managed and mentored 40 engineers through an advanced software engineering immersive
 - Helped students overcome broken mental models involving CS fundamentals, JS frameworks, and RESTful APIs
 - Evaluated technical abilities in prospective students during live coding interviews
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Software Applications

Squires Jewelers Ecommerce Store | Shopify, MySQL, Google Marketing Platform (Analytics, Search Console)

Created B2C fine jewelry ecommerce store dropshipping to consumers across the country | <https://squires-jewelers.myshopify.com>

- Administer and audit orders, sales, coupons, and inventory on a daily basis
- Research market competitors and industry trends to identify potential new products and services
- Evaluate financial data for cost reduction and additional sales & promotions opportunities
- Analyze traffic patterns for store hotspots and points of security vulnerability (bots, crawlers, phishers)

Zee Lo Gallery | Node.js, MongoDB, PostgreSQL, Nginx, Docker, AWS EC2, Loader.io

Reconstructed back end of an application to optimize for speed and performance | <https://github.com/jacksoncohen/gallery-service>

- Integrated and deployed services to handle traffic with consistent performance through high volume usage scenarios
 - Initialized MongoDB database and optimized seeding to insert 10 million primary records in under 3 minutes
 - Utilized and optimized configuration of Nginx load balancer to horizontally scale remote server, resulting in increased performance by 328%, ultimately improving throughput to over 3,000 requests per second at less than 0.6% error rate
 - Conducted stress testing to identify points of weakness and make improvements as needed
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Education

Hack Reactor, Advanced Software Engineering Immersive Program

May 2019

University of Maryland, B.S. in Finance, Minor in Chinese Language

December 2016