MICHAEL DOUDY

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TECHNICAL SKILLS

Languages + Frameworks - JavaScript, TypeScript, React, Node.js, Redux, Jest, Enzyme, Mocha, CSS/Sass, Express, jQuery, HTML

Databases + ORM's - SQL, MySQL, MongoDB, Mongoose, Postgres, Redis

Tools - Git, Docker, AWS EC2, Heroku, Postman, Bash, Visual Studio Code

SOFTWARE ENGINEERING APPLICATIONS

Greenfield API Service | Postgres, Redis, Express, Docker, AWS | [Github]

Scalable RESTful API service built for a retail web-portal and optimized to handle web-scale traffic

- Implemented database indexing, connection pooling, and Redis caching
- Optimized service to handle throughput of 60k client requests in 30 sec (2k per sec) with an average response time of 119ms
- Performed ETL of 20M+ records of legacy data
- Containerized server and PostgreSQL database with Docker and deployed to 2 AWS EC2 instances

Retail Web Portal | React, Redux, Express, Sass | [Github] [Live]

Interactive e-commerce application rendering information from a headless API - following 27 page BRD specs

- Built a responsive product gallery which expands and pans the magnified view based on mouse coordinates
- Leveraged Redux to share state across deeply nested React components
- Optimized page speed performance through Gzip compression and code minification - dropped first contentful paint from 5.3s to .6s and time to interactive from 25.7s to 3s
- Utilized Sass to create consistent and maintainable theme across the application
- Worked across a small team, leveraging GitHub projects, Git workflow, and the agile methodology

Find My Friends | React, MongoDB, Express, Sass, Heroku | [Github] [Live]

Mobile first app that allows users to share their real-time geographic positions and get curated nearby place recommendations

- Utilized the HTML Geolocation API to get live user latitude and longitude coordinates
- Displayed user location pointers on an interactive map component that pulls data from the Google Maps API
- Developed an algorithm to minimize the amount of Google Places API GET requests needed while still displaying place information most relevant to a user's current location and mood

Crypto Paper Trader | React, TypeScript, Express, MongoDB, Heroku | [Github] [Live]

Full-stack application that allows users to test their cryptocurrency trading strategies

- Integrated CryptoCompare's API to feed real-time market price and volume data into an interactive technical chart display
- Developed an algorithm that parses market data in batches of 1000 and fills respective orders if their price points are reached
- Persisted user account, portfolio, and unfilled buy/sell order data in MongoDB
- Migrated code base from JavaScript to TypeScript

EDUCATION

Hack Reactor **New York, NY**

Advanced Software Engineering Immersive Program *2020*

Georgia Institute of Technology **Atlanta, GA**

Bachelor of Science in Industrial and Systems Engineering *2010 – 2014*

PROFESSIONAL EXPERIENCE

Galvanize **New York, NY**

Software Engineering Immersive Resident *Present*

- Mentored students towards mastery of JavaScript, React, and CS core concepts
- Conducted 30+ technical interviews and whiteboarding sessions to assess capabilities of current and prospective students
- Provided guidance with environment issues, debugging, code review, and complex ideas to students in SF, NYC, BCO, ATX

Suzy - Series-C funded startup **New York, NY**

Senior Business Development Representative *2018 – 2020*

- Sent 11,000 emails using automation tools, set 240 meetings, opened 72 opps, sourced 20 deals ($500,000+)

VR/AR Association **Saint Petersburg, Russia**

President - Russia Chapter *2016 – 2018*

- Established and headed the first VR/AR Association chapter in Russia
- Spoke at XR Connects Helsinki, Wargaming 4C St. Petersburg, Science Fest St. Petersburg, Moscow Education Forum
- Managed investor relations at VR Days Amsterdam; worked with top VR VCs such as The VR Fund, colopl, Greycroft
- Closed 7 deals with Russian VR/AR B2B companies, negotiated 1 media and 4 conference partnerships

Manhattan Associates **Atlanta, GA**

PSO Consultant, Warehouse Management Operating Systems *2014 – 2015*

- Implemented supply chain solution software for international clients (eBay, JoS. A. Bank, Home Hardware)
- Lead and supported projects in solution design, system configuration, testing, training, troubleshooting / issue resolution