MICHAEL DOUDY

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SKILLS

Frontend - React, Vue, GraphQL, Redux, deck.gl, D3, HTML, CSS, Sass, Babel/Webpack
Backend - Node.js, Express, SQL (MySQL, PostgreSQL), MongoDB, REST APIs
Other - JavaScript (ES6+), TypeScript, Git, Jest, AWS (EC2, S3), Heroku, Postman, Bash, Figma, Jira, Visual Studio Code

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EXPERIENCE

Helbiz - Software Engineer - New York, NY   2020 -- Present
- Built significant portion of the frontend codebases of the mobility analytics platform and ads-hub using React, Redux, GraphQL
- Developed interactive components and features used to visualize geospatial trip and vehicle data leveraging d3, deck.gl, mapbox
- Created a custom React component library, allowing the team to reuse components with consistent styling and functionality
- Took initiative in the helbiz.com webpage code handover from the Serbian team, which required learning Vue, Nuxt.js, Tailwind
- Advocated and led the refactor from CSS and inline styling to Sass using the 7-1 architecture pattern and BEM methodology
- Took ownership of optimizing the mobility analytics platform for mobile and tablet users, improving UX for 45% of all users
- Performed daily application maintenance and bug diagnosis/fixes by utilizing the Sentry monitoring platform
- Audited applications' codebases and proposed solutions to reduce inefficiencies, enable modularity, and promote best practices
- Collaborated with design and dev teams in Italy and Serbia to maintain a consistent user experience across all Helbiz applications
- Wrote unit tests using Jest and Enzyme increasing test coverage by 25%

Galvanize - Software Engineer in Residence - New York, NY   2020
- 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 - Senior Business Developer - New York, NY   2018 -- 2020
- Sourced $500,000+ of dealflow; leveraged the internal real-time insights platform to conduct market research for consultancies

VR/AR Association - President, Russia Chapter - Saint Petersburg, Russia   2016 -- 2018
- Spearheaded the first chapter in Russia; spoke at 5 European conferences; managed investor relations at VR Days Amsterdam

Manhattan Associates - Consultant, Warehouse Management Operating Systems - Atlanta, GA   2014 -- 2015
- Implemented and configured supply chain solution software for international clients (eBay, JoS. A. Bank, Home Hardware)

PROJECTS

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

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

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EDUCATION

Hack Reactor - Certificate in Advanced Software Engineering - New York, NY   2020
Georgia Institute of Technology - B.S. Industrial and Systems Engineering - Atlanta, GA   2010 -- 2014