# MICHAEL DOUDY

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## SKILLS

**Frontend** - React, Vue, Next.js, 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 and ads platforms using React, Redux, GraphQL
- Worked in an agile environment with an overseas engineering team on a food delivery platform built with TypeScript and Next.js
- Took initiative in the helbiz.com webpage code handover from the Serbian team, which required learning Vue, Nuxt.js, Tailwind

**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

**VR/AR Association** - President, Russia Chapter - Saint Petersburg, Russia                                2016 -- 2019
- Established and headed the first Russian VR/AR Association chapter in St. Petersburg, helped start second chapter in Moscow
- Spoke at 5 European conferences; managed investor relations at VR Days Amsterdam

**Manhattan Associates** - Consultant, Warehouse Management Operating Systems - Atlanta, GA                 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

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## PROJECTS

**Helbiz Analytics** - React, Redux, GraphQL, deck.gl, Sass - [Overview]
*An internal analytics platform used by Helbiz stakeholders, government municipalities, and city managers*
- 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
- 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 platform for mobile and tablet users, improving UX for 45% of all users
- Wrote unit tests using Jest and Enzyme increasing test coverage by 25%

**Better Portfolio Website Builder** - Next.js, Sass, Redux Toolkit, Vercel - [Github] [Live]
*Portfolio website builder targeting busy developers and business professionals*
- Built server-side rendered website template which requires only one json file to setup and deploy
- Improved page speed performance, accessibility, and SEO resulting in a perfect Google lighthouse audit score
- Optimized for mobile/tablet and ensured cross browser compatibility
- Documented step-by-step process for populating data, settings, themes, connecting to Google Analytics, and deploying

**Crypto Paper Trader** - React, TypeScript, Express, MongoDB, Heroku - [Github] [Live]
*Web 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

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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