Douglas William Perez
Full Stack Engineer

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TECHNICAL SKILLS

Front End: React, React Native, Redux, MobX, Gatsby, TypeScript, HTML5, jQuery, Styled Components, Less, Sass.

Back End: Node.js, Express, Python, MongoDB, Firebase, Nginx, PostgreSQL, MySQL, Redis, bcrypt, REST APIs, GraphQL.

DevOps & TDD: AWS EC2, Git, Docker, Netlify, Axios, Babel, Webpack, Jest, Enzyme, Mocha, Chai, Loader.io, K6.

SOFTWARE ENGINEERING APPLICATIONS

Full Stack Developer | JS Unscramble | Source | React, CSS Grid, MongoDB, Node.js, Express, Babel, Webpack
- Designed a **MERN stack** web app that gamifies the process of learning JS fundamentals, inspired by Duolingo.
- Open source module allows users to contribute their unique solutions to thousands of unsolved problems scraped from the web using **Axios**.
- Developing **React Native** version exclusively for tablets.

Front End Engineer | ZenRent: Reviews | Source | React, Jest, Enzyme, Docker, AWS (EC2), Node.js, MongoDB
- Built a **MERN stack** web application for peer-to-peer home sharing. Responsible for the reviews **microservice**.
- Initiated and automated unit and integration tests with **Jest** and **Enzyme** to guide test-driven development.
- Used **React styled-components**, **Flexbox** and **CSS Grid** to achieve superior responsiveness.
- Served as the **Project Manager** for ZenRent; Kept the team focused, on schedule and motivated.

Front End Developer | ESL MiniGames | Source | jQuery, React, JS ES5, Node.js, Flexbox
- An entirely self-directed passion project built from scratch using **React** and **JQuery**, designed for my students.
- Educational aid kept students engaged and mentally active during the transition to remote education.

Back End Engineer | Brightstack.io | Source | PostgreSQL, Redis Node.js, Jest, Enzyme, Docker, AWS EC2, React
- Optimized performance while scaling up the **Postgres** database by a factor of 9.
- Employed **Loader.io** and **K6** to improve load speeds from 338.72 ms to 3.28 ms with a 0% error rate.
- Performance gains are attributed to horizontal scaling, using **Nginx** as a load balancer and sending requests to an array of **EC2** servers. Further optimization through **Node** drain events to CSV files and the use of **Redis**.

WORK EXPERIENCE

Front End Developer | Trivie, Inc. | Dallas, Texas | React Native, TypeScript, MobX, FastAPI   07/2021 - Present
- Trivie helps Employees retain workforce training through **AI**, cognitive science techniques and **gamification**.
- Our clients include Fortune 500 companies/organizations: GE, AARP, Mcdonalds, Subway and Anheuser-Busch.
- I Implemented new features and cleared hundreds of bugs in our Trivia **React Native mobile** and **Web App**.
- Plurality of my time spent on the Dashboard (**React**), providing comprehensive stats on user performance.

Freelance Software Engineer | Multiple Applications | Source | San Francisco, CA   09/2020 - 06/2021
- Built many freelance and personal projects: a full stack eCommerce store, a memorial and eLearning apps.
- **Technologies**: React, Node, Express, Gatsby, bcrypt, MongoDB, Postgres, AWS, Netlify, JQuery, Less, and Sass.

EDUCATION

Hack Reactor | Advanced Software Engineering Immersive | San Francisco, CA   11/2020 - 02/2021
- Successfully completed the highly selective and rigorous 12-week full stack engineering immersive.
- Over 800 hours of Computer Science and JavaScript curriculum modeled on the software engineering industry.

University of California, Berkeley | BA in Political Science | Berkeley, CA   08/2009 - 12/2014
- Recipient of the prestigious merit-based **Leadership Award Scholarship**.

PERSONAL
- When I'm not working, my wife and I spend time with our two dogs. We love to go hiking and camping.
- Personal interests include tech, video games, fitness, finance, political economy and world travel.