Jesse Hang

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EXPERIENCE:

Activision, *Frontend Engineer*   *Sept 2021 – Present*
- Led the migration from vanilla JS to React for the Call of Duty game message of the day system
- Implemented front-end architecture and provided direction for customer facing websites and applications
- Created custom charts and graphs to show combat statistics for players using D3.js
- Collaborated with backend, design and studio stakeholders to decide optimal ways of handling the limited memory constraints of the in-game webview system

Webstacks, *Frontend Engineer II*   *Feb 2021 – Sept 2021*
- Owned the development of modern and responsive websites using React for numerous clients
- Provided coding standards with the introduction of code linters and more modular development practices
- Attended daily stand-ups, weekly sprint planning and backlog grooming for clients in order to meet development requirements
- Collaborated with designers, project managers and other developers to quickly iterate through Agile/Scrum deliverables

Los Angeles Lakers, *Web Developer*   *Nov 2019 – Oct 2020*
- Implemented site updates for Lakers, South Bay Lakers, and Lakers Gaming
- Worked closely with other departments to make changes and additions to secondary pages
- Assisted with site troubleshooting, maintenance and enhancements
- Provided quality assurance testing for content and features across platforms

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PERSONAL APPLICATIONS:

Mockboard *React | Redux | Express | MongoDB | Socket.IO | AWS EC2 | Docker*
Wireframing software for data dashboards
- Implemented accelerated graph and filter creation to provide ready-to-go mock-ups
- Added graph-to-filter linking logic to connect filters with one or more graphs and vice-versa
- Built sign-in and sign-up features to save or edit an existing project
- Created an ability to pin message bubbles on the canvas in order to provide chat functionality for collaboration between users

ShareBnB *Express | MongoDB | loader.io | nginx | AWS EC2 | Docker*
Replica of the site AirBnB
- Used single field indexing to reduce pre-deployment query times from 30MS to under 1MS for over 10 million records
- Increased throughput by **67%** with less than **1%** error rate using nginx load balancing with round robin through two AWS EC2 instances
- Ran cross analysis comparison between PostgreSQL and MongoDB to determine optimal database infrastructure

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TECHNICAL SKILLS:

Front-End: JavaScript, React, Next.js, Gatsby.js, React Native, Redux/RTK, D3.js, SCSS/SASS, Styled Components, React Bootstrap, Material UI, HTML5/CSS3
Back-End: Node.js, Express, PostgreSQL, MongoDB, Socket.IO, RESTful API Development, GraphQL, Contentful, DatoCMS
Developer Tools: Git, npm, Webpack, Gulp, Docker, Netlify, Vercel

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EDUCATION:

Hack Reactor   *May 2019*
Software Engineering Immersive
University of California, Los Angeles   *Oct 2014 – Jun 2017*
Bachelor of Science in Statistics