JOSE GUERRERO

Software Developer

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Portfolio: https://portfolio-pink-seven-87.vercel.app/

SUMMARY

Front-end developer with 5+ years of experience building React.js apps. Proficient in UI development and familiar with backend technologies like Node.js and Django. Currently completing a Master of Philosophy in biomedical visual analytics, focusing on 3D VR/AR and ML for clinical data.

PROFESSIONAL EXPERIENCE

Master of Philosophy – Researcher   Apr 2025 - Present
Children's Hospital Westmead - WSU

- Building an interactive VR/AR visual analytics platform in Unity (C#) for exploring genomic and biomedical data
- Developing 3D interfaces that translate complex data patterns into intuitive, spatially organized visuals for clinicians
- Applying supervised and unsupervised ML (e.g. Random Forest, UMAP) to extract insights from biomedical data for clinical use
- Processing and analysing gene expression and flow cytometry datasets in Python to enable pattern discovery and interpretation
- Collaborating with medical researchers to ensure outputs align with real-world diagnostic and research workflows

Front-End Developer   Sep 2021 –Apr 2024
Ansarada

- Support in maintaining Monorepo infrastructure and micro frontends using Next.js and TypeScript
- Translated Figma designs into responsive interfaces in close collaboration with UX/UI teams
- Built reusable React.js components with Storybook, improving code consistency across apps
- Work closely with Product Teams to implement new features for our existing apps using React.js, GraphQL and React Testing Library / Jest
- Participated in Agile sprints, presenting progress biweekly to drive transparency and team alignment

EDUCATION

Master of Electrical Engineering
University of New South Wales
Mar 2015 - Dec 2016
Distinction Average

SKILLS

Front-End:

- TypeScript • React.js • Next.js
- Redux • Zustand • Material UI
- Tailwind CSS • Three.js • Storybook

Back-End:

- NodeJS • Django • Golang

APIs & Data:

- GraphQL • REST

Testing:

- React Testing Library • Jest
- Cypress

Other:

- Unity • AWS

Front-End Developer
Medius Health

Feb 2021 - Sep 2021

- Collaborate with designers to translate Figma designs into functional web applications using React.js/Redux, TypeScript, and GraphQL
- Enhance our mobile app by integrating new features with React Native, improving user experience and expanding functionality
- Partner with backend and machine learning engineers to prototype innovative solutions tailored to client needs, fostering cross-functional teamwork
- Develop robust end-to-end and unit tests using Cypress and React Testing Library / Jest
- Provide backend support with Django, handling essential tasks such as creating endpoints

Front-End Developer
HiveXchange

Jan 2020 - Jan 2021

- Maintain and enhance our main platform functionalities using React.js/Redux, TypeScript and GraphQL to ensure optimal performance and elevate user engagement
- Migrate legacy AngularJS code to React.js to modernize outdated pages and improve maintainability
- Design and implement an internal web application using React.js, Typescript and Material UI to streamline sales operations and boost productivity
- Develop basic API endpoints with Node.js for data integration

Front-End Developer
Macrovue

Mar 2019 - Oct 2019

- Contribute to the upgrade of the main platform using cutting-edge technologies including React.js/Redux and Django
- Implement Figma designs to develop new features to enhance overall user experience and functionality
- Develop end-to-end and unit tests with Cypress and Jest to ensure robust application and performance
- Integrate GraphQL mutations and queries across both back-end and front-end sides

Junior .Net Developer
Adslot

Jun 2018 - Mar 2019

- Engage in numerous web apps projects using Asp.Net MVC, WebAPI, and React.js/ Redux for rich user experiences
- Develop unit tests using MSTest and Jest for full-stack projects
- Active participation in Agile sprints, embracing all phases of the software development lifecycle for iterative improvement