

# 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

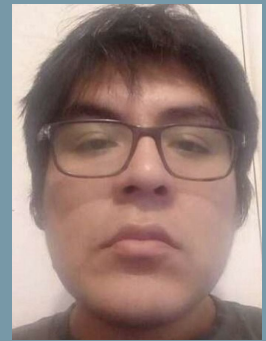
- Building an interactive VR/AR visual analytics platform using React.js, Three.js and WebXR for exploring genomic and biomedical data
- Developing 3D interfaces that translate complex data patterns into intuitive, spatially organized visuals for clinicians
- Applying supervised and unsupervised ML (e.g. 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
- Built responsive UIs from Figma designs and reusable React.js components in Storybook
- Integrated .NET backend endpoints with GraphQL APIs powering the Virtual Rooms platform
- Automated dynamic quote generation and PDF export using Node.js for client-facing tools
- Wrote unit tests with Jest and integration tests with React Testing Library to ensure UI reliability and maintainability



## 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

Feb 2021 – Sep 2021

Medius Health

- 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

Jan 2020 – Jan 2021

HiveXchange

- 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

Mar 2019 – Oct 2019

Macrovue

- 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

Jun 2018 – Mar 2019

Adslot

- 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