

Victor Camillo Ortiz

Full-Stack Engineer

Sydney, NSW | ortizvictor154@gmail.com | +61 449 004 056

Portfolio: victorortiz.dev | LinkedIn: linkedin.com/in/victor-ortiz-5a8369156 | GitHub: github.com/vortizz

PROFILE

Full-Stack Engineer with 7+ years of experience building production systems for global clients and well-known brands. I have worked across enterprise SaaS platforms, live event systems, geospatial tools, and data-heavy applications, mostly using Vue/Nuxt on the frontend and Node/NestJS on the backend. My background includes projects for Riot Games, Twitch, Burger King, and Qualicorp, ranging from real-time audience interaction systems to large-scale insurance platforms. I enjoy working on products where reliability, performance, and user experience genuinely matter.

SKILLS

Frontend: Vue.js (Vue 3), Nuxt.js, React, Tailwind CSS, Quasar Framework, Ionic, Electron, Material UI, Carbon Vue

Backend: Node.js, NestJS, Express.js, Python, WebSockets, RabbitMQ, SQS, MQTT

Data & Cloud: MongoDB, Neo4j, SQL, AWS (S3, SQS), Firebase, Databricks, PySpark

Mapping & Visualisation: Mapbox GL JS

Other: TypeScript, JavaScript, OAuth 2.0, Docker, Git, Swagger, Redux

EXPERIENCE

ClimaSens

Nov 2024 - Present

Frontend Engineer

Working on the frontend of a live climate intelligence platform used by businesses and governments to understand and manage physical climate risk across flood, fire, heat, and wind hazards.

- Leading frontend architecture using Nuxt, Vue 3, and Mapbox GL JS, with a focus on keeping the codebase modular and easy to extend as new features are added
- Building dynamic hazard layers, scenario-based projections, and multi-horizon climate analysis tools that help users explore complex risk data clearly
- Refactoring map and analytics components to reduce complexity and improve long-term maintainability without breaking existing behaviour
- Integrating frontend features with risk scoring and analytics APIs, keeping map state, filters, and panels in sync
- Improving rendering performance for high-density geospatial data and data-heavy map interfaces

Technologies: Vue.js · Nuxt.js · Tailwind CSS · Mapbox GL JS · Firebase · Carbon Vue · TypeScript

VERT Capital

Apr 2024 - Mar 2025

Data Engineer

Worked as a Data Engineer at a fintech company focused on structured financial operations and securitisation, building applications that process and manage payment and fund data reliably.

- Built and maintained data pipelines and processing applications across agribusiness, fintech, commercial, and real estate credit portfolios
- Used Databricks and PySpark to handle financial data at scale, making sure accuracy and consistency were maintained across multiple funds
- Contributed to frontend work in React and Remix alongside the core data engineering responsibilities

Technologies: Python · PySpark · SQL · AWS · Databricks · React · Remix · Tailwind CSS · TypeScript

MediaMonks

Dec 2023 - Feb 2024

Full-Stack Engineer

BK Million Dollar Whopper - Burger King (Global Campaign)

Built the full frontend experience for an AI-powered Burger King campaign where users designed their own custom Whopper, generated a unique AI image and jingle, and entered a competition for a \$1,000,000 prize.

- Built the multi-step burger configuration and submission flow using React and Redux, keeping selections and generation state consistent throughout the journey
- Integrated with AI generation APIs for dynamic image and audio rendering, with proper loading, error, and fallback states so the experience stayed smooth regardless of response time

Technologies: React.js · Redux · Material UI · Tailwind CSS · TypeScript

MediaMonks

Dec 2021 - Mar 2023

Full-Stack Engineer

Delivered the full application layer for a series of live event and broadcast experiences, working across backend and frontend for global brands.

Cooltopia - Cool Cats NFT (New York, 30,000 sq ft venue, 2022)

- Built the complete event platform from scratch: NFC bracelet identity, game scoring engine, participant tracking, and reward redemption across a large physical venue in New York
- Developed totem apps (Vue + Quasar + Electron) for participant interactions, a staff redemption app (Ionic Vue), and a CMS for event operations and manual adjustments
- Integrated multi-source score ingestion from time-based games and external digital systems, using MQTT for treasure chest interactions and RabbitMQ for email workflows

Technologies: Node.js · NestJS · Vue.js · Quasar · Electron · Ionic · MongoDB · RabbitMQ · MQTT · SendGrid · TypeScript

TwitchCon - The Emotifier (San Diego, 2022)

- Built a real-time photo experience for TwitchCon where attendees could take photos with digital accessories, see them appear on large event screens, and receive a copy by email
- Designed a full moderation pipeline: image ingestion, S3 storage, CMS approval flow, controlled screen display, and automated email delivery

Technologies: Node.js · NestJS · Vue.js · Quasar · MongoDB · SendGrid · AWS S3 · TypeScript

Valorant Live Interaction System - Riot Games

- Built a real-time system that let selected Twitch viewers control a physical studio robot through a browser joystick during a live Valorant broadcast
- Implemented a WebSocket bridge between the joystick interface and the robot controller, with strict session control to make sure only one participant could drive at a time

Technologies: Node.js · NestJS · WebSocket · MongoDB · TypeScript

Bet.Monks - FIFA Women's World Cup 2023 (Internal Platform)

- Built a full-stack internal prediction platform for Media.Monks employees: backend APIs, a scoring engine, leaderboard rankings, and tournament views throughout the competition
- Implemented Google OAuth for company-only access, deterministic scoring logic, and async leaderboard recalculation via SQS after match results were finalised

Technologies: Node.js · NestJS · Vue.js · Quasar · MongoDB · OAuth 2.0 · SQS · AWS S3 · Swagger · TypeScript

Qualicorp

Jul 2020 - Dec 2021

Full-Stack Engineer - Technical Lead

Worked on a nationwide health insurance sales platform used by brokers across Brazil, starting as a Full-Stack Engineer and growing into a Technical Lead role over time.

- Built multi-step proposal creation workflows covering policyholder registration, plan eligibility checks, billing configuration, and document generation with AWS S3 storage
- Modelled complex insurance relationships in Neo4j and managed proposal lifecycle transitions from draft through to approval, rejection, and resubmission
- As Technical Lead, ran code reviews, guided technical decisions, coordinated frontend, backend, and QA teams, and handled production hotfixes when they came up

Technologies: Node.js · Express.js · Vue.js · Neo4j · BootstrapVue · Vuetify · AWS S3 · JavaScript/TypeScript

Hexa Solution

May 2018 - Jul 2020

Backend Engineer

Worked on a backend system built for Bradesco, one of Brazil's largest banks, that automatically validated source code across multiple programming languages and enforced client coding standards at commit time.

Technologies: C# · ASP.NET · Visual Basic · SQL Server · Vue.js · JavaScript

EDUCATION

Bachelor of Technology - Systems Analysis & Development

Graduated 2019

Faculdade Impacta de Tecnologia, Sao Paulo

Certificate - Computing & IT

Graduated 2017

SENAI, Sao Paulo