Sydney, NSW **Joel Caley** Email: jgcaley@gmail.com
0468898457 Full Stack Developer <https://joelcaley.love/>

Full Stack Developer experienced in creating enterprise end-to-end solutions; automation systems; desktop, web and mobile applications; Experienced in the majority of the common frameworks and tools;
Looking for jobs in Sydney or remote.

**TECHNICAL SKILLS**

* **Front-End:** HTML, CSS (LESS, SASS), JavaScript (+TypeScript), Vue, React, AngularJS, Redux, Vuex, Nuxt, Mern; templating with EJS, Pug, Handlebars, etc, D3. Svelte.
* **Back-End:**Node.js, SQL (Postgres, MySQL, SQLite), MongoDB, Firebase, Elasticsearch, GraphQL, APIs (REST, SOAP, JSON-RPC, graphQL), Express, Socket.io, SSL (certbot, win-acme,)
* **Testing & Automation:** Unit Testing, Jest, Jasmine; E2E Testing, Puppeteer, Selenium
* **DevOps:**AWS (EC2, EB, S3, CloudFront, Lambda), Git, SVN, Docker, Jenkins, PM2, Heroku
* **Project Management:**Jira, Confluence
* **CMS:**Drupal, WordPress, WooCommerce, Shopify
* **Other:** Windows APIs, bash, Unix, SSH, MSYS2+Mingw/Cygwin, Adobe Creative Suite (Photoshop, AfterEffects, Illustrator), Python, Basic ASP.NET Core (C#, Blazor), Yarn, Gulp, Bower, Webpack, Unreal Engine 5, Basic PHP

**EMPLOYMENT HISTORY**

**Full Stack Developer (Node Back-End Focused)**
*Gossipfrog* | *Jan 2022 - May 2024*

* Huge amounts of data collection, storage and handling. Via provided APIs where possible and other methods where not possible; e.g. puppeteer, selenium and userscripts.
* Automation and scheduling of various processes and procedures through IPC, etc.
* Developed apps for visualizing and handling data, and for controlling, executing, and scheduling relevant processes. Electron, React, Vue + node/fs, Elasticsearch.

**Full Stack Developer (Vue Front-End Focused)**
*Data Processors* | *Sep 2018 - Dec 2021*

* Designed, developed, and deployed multiple Vue SPAs and Electron apps for in-house use.
* Managed, visualized, and manipulated large data sets and databases (Elasticsearch).
* Built frontends to call custom built apis that perform various tasks – often also involving building a node/js process to perform said tasks.

**Web Designer and Developer**
*Big Mobile* | *Jul 2016 - Sep 2017*

* Designed, developed, and deployed a range of HTML5/JS ads and custom ad formats, ensuring functionality across multiple platforms and devices. Hosted via Sizmek.
* Created a React (w MongoDB) full stack SPA to showcase company products.

**Full Stack Developer**
*Freelance&Personal* | *Dec 2013 - Present*

* Designed, developed, deployed, and managed a mix of standard HTML/JS websites and SPAs -primarily using Vue, with some React and Angular, asp.net/blazor. Featuring node, .net, MongoDB, Firebase, AWS DynamoDB and Elasticsearch where desired or required.
* Developed eCommerce solutions using multiple platforms such as WordPress, Drupal, Vue, and React.

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**EXAMPLE ENTERPRISE PROJECTS***(large variety listed (some big-some small), just in case something is directly relevant to your particular job posting)*

**Odds Explorer**

*Vue.js, Node.js, D3.js*

A very large, enterprise Vue.js application for odds analysis and visualization. Sole front-end dev; Worked with team for backend dev. Integrates with real-time data sources and provides detailed insights through customizable charts and reports. Very extensive front-end app with lots of functionality.

**Synapse Explorer**

*Vue.js, Node.js, Elasticsearch*

A large enterprise app for managing and analysing Elasticsearch data streams. It offers advanced search capabilities and interactive visualizations for data exploration and monitoring.

**Thrift Explorer**

*Vue.js, Node.js, Electron*

An enterprise Electron-based app designed to run programs on external systems and visualize the results. It provides multiple ways to interact with and analyse the output data.

**Automation Tools**

*nodejs, python, selenium, puppeteer, apis, sockets*

Created and managed a range of web automation processes. Multiple js and python apps to automate website and api interactions. Created 'apis' (via automation in puppeteer/selenium) for select processes. Centralised process management and scheduling via node parent and ipc, and websockets. Also scraped and stored (with relevant caching and memoization) vast amounts of data via various methods.

**Big Mobile Showcase**

*HTML5, JavaScript, Node.js, Socket.io, react*

A react SPA that showcased ads created by the agency. Mostly used by sales team (but still useful outside sales); can search/sort/etc through the agencies catalogue.

**Big Mobile Ads**

*HTML5, JavaScript, css3 animations, sizmek*

Many many HTML5 js css animated and interactive ads, particularly for mobile web.

**Yert**

*Electron, React, D3.js*

Yert is a desktop app for marketplace analysis and transaction tracking. It includes a data table for market prices and visualizations using D3.js, allowing users to analyze price trends and monitor transactions in real time.

**BOMCS WebSocket Server**

*Node.js, WebSockets, postgresql*

This server app acts as a central hub for data between front-end clients and backend services using WebSockets. It handles real-time communication and coordinates data from multiple sources. Reads/writes data from filesystem and postgres db.

**Getter Apps**

*Node.js, WebSockets*

A set of Node.js scripts that interact with various marketplace APIs for data fetching, purchasing, and listing items. They work together with the BOMCS server to automate real-time deal discovery and transactions.

**Instagram Video Cutter and Poster**

*Node.js, react, electron, ffmpeg, instagram api*

Fully automates the process of video editing, including seamless trimming, generation of dynamic poster images with custom text overlays, and direct posting to Instagram with tailored titles, captions, and hashtags.

**Results Monitor**

*Node.js, Express, D3.js*

A web-based monitoring tool that visualizes wallet variations using interactive D3.js charts. It integrates seamlessly with the other apps for real-time data visualization.

**Network Monitor**

*Node.js, Express, SystemInformation, pkg*

A standalone app that simply monitors network usage over time. Hosts a local web page to visualize system data. I just needed a simple way to do this but all already existing apps were too convoluted and/or required payment.

**D4 OCR calculator**

*Python, PyTesseract, Threading, Win32GUI*

A Python app that screen captures and transcribes on-screen, in-app text; performs calculations on read text, on multiple threads; and overlays results in a transparent window on top of the app. Real-time tool for tracking and enhancing understanding of data within said app.

**Key Waveforms Visualiser**

*js, python, canvas, numpy*

Visualises waveforms of user defined frequencies. Useful for easily visualising chords.

**Wizardio**

*HTML5, JavaScript, Node.js, Socket.io*

A real-time multiplayer game built with vanilla JavaScript and Node.js. It features client-side prediction and server-side interpolation for smooth gameplay across multiple players.

**BOM|2NE1**

*Drupal, Ubercart, AWS, Bootstrap*

An e-commerce website built using Drupal and Ubercart, AWS hosting. It features a responsive design and a custom checkout flow.

**Star Poll**

*AngularJS, Firebase, Materialize*

A single-page app that allows users to create and vote on polls. It's built with AngularJS and Firebase, featuring real-time updates and a responsive design.

**Loqus Demo**

*HTML5, CSS3, JavaScript, Apache*

A custom showcase website for a mobile app, designed based on provided Photoshop designs. The site is responsive and optimized for fast performance across devices.

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