

# Nicholas Hemsley

Computer Scientist, Data Scientist

## Skillset

### Ruby

Javascript, Google API

### Postgres

cPanel, Linux Administration, PHP

### Ruby On Rails, PostGIS, Mysql

Email, DNS, Stripe, JQuery, C#, ASP.net, Amazon S3, Amazon, HTML, Ember JS, Timeseries Data, Ethereum, Bitcoin, Google Drive, Geolocation, Google Places, Devops, Lando, Vue JS, Laravel

## Experience

### Itomic Web Design & App Development

01 August 2019

I am currently consulting for Itomic. My main roles are:

- Maintaining a Vuejs & Laravel web app.
- Giving technical advice on a Flutter IOS & Android App, and Laravel API backend. (API design, code quality, performance).
- Finding timely and cost-effective solutions to the various problems associated with running a web consultation firm.

### Freo Guitar Tuition

01 February 2018

I worked with Freo Guitar Tuition to augment their customer invoice tracking system which was utilising airtable. Send out emails to clients when invoices are due. I am currently working on a booking system for Fremantle Guitar, which integrates with their unique needs (parents, children, term based subscriptions). This also involves Google drive intergration for video uploads.

### Cryptocurrency Exchange Arbitrage

01 January 2018 - 01 June 2018

I worked with stakeholders to analyze opportunities presented by exchange rate differences between online cryptocurrency exchanges. Finding round-trip percentage gains by buying and selling on various exchanges.

### ABC Wall Removers

01 January 2016 - 01 April 2016

I developed a quoting website for ABC Wall Removers to create estimates for jobs. This was generally accessed via an web app & on iPad. Once the estimate was created, the client could then send the estimate details across to his invoice2go invoicing app, which takes care of generating a PDF invoice for clients. This was developed using emberjs, a rails backend which served json, and the bootstrap framework for the design.

### Integrated Natural Systems

01 August 2015

I delivered a website for Integrated Natural Systems. This is a static website hosted on amazon s3. The client wanted a clean, minimal look for their website to complement with the images & gallery featuring photos of nature.

### Phone Control Australia

01 February 2007 - 01 June 2009

Web Programming – ASP.NET, C#, SQL Database. I worked on an Single page web app utilizing javascript charts for reporting on phone system usage in organisations. This was before SPA apps were a thing. Internet Explorer, memory leaks, css hacks. Interesting project, I learnt alot about javascript and its dynamic nature (wrt. functions & binding) through this project.

### House Of Snowball

01 February 2006 - 01 June 2006

I developed an ecommerce shop for houseofsnoball.com. This was created using rails, and integrated with Stripe for the payment processing. Created using haml, sass & javascript. It is a fairly traditional Rails application.

### Itomic Web Design & App Development

01 January 2003 - 01 June 2005

I worked as a full stack web developer with Itomic. Mostly with their in-house CMS. Many and varied roles as came up running a hosting service. Generally I implemented bespoke solutions for clients using PHP & MySQL as the back end.

## Referees

### Ben Bowden

Managing Director at Freo Guitar Tuition

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### Kammi Rapsey

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### Ross Gerring

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