

Nicholas Hemsley

Computer Scientist, Data Scientist

Skillset

Ruby

Postgres

Flutter, Javascript, Ruby On Rails, Elastic Search, PostGIS, Mysql

eBPF, Kubernetes, Docker, Google API, PHP

cPanel, Linux Administration

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

Experience

Itomic Web Design & App Development

01 August 2019

- Maintaining a Vuejs & Laravel web app, with a Mysql database. Elastic Search functionality.
- Giving technical advice on Flutter Android & IOS App, and Laravel API backend. (API design, code quality, performance).
- API Integration
 - Google Places
 - Google Accounts Reseller
 - cPanel/WHM

Freo Guitar Tuition

01 February 2018

I augmented their customer invoice tracking system to send out emails to clients when invoices are due.

- Encapsulate the business logic for communicating with customers regarding invoicing.
- Airtable integration with ruby application to send out invoices when due.

I am currently working on a booking system for Fremantle Guitar, which integrates with their unique needs (guardians, dependants, term based subscriptions).

- Heirarchical user system with dependancies between customers. Based on Devise.
- Google Drive Integration for uploading training videos (managing user access)

Media On Mars

01 January 2018 - 01 June 2018

Setting up and troubleshooting up Website Hosting

- DNS
- Email
- Hosting providers

Websites

- Integrating photoshop designs into wordpress sites
- Front end javascript functionality
- Bespoke wordpress plugin development

Cryptocurrency Exchange Arbitrage

01 January 2018 - 01 June 2018

Analyze opportunities presented by exchange rate differences between online cryptocurrency exchanges. Finding round-trip percentage gains by buying and selling on various exchanges.

- Ruby On Rails
- Javascript charting front end
- Data Aggregatin from multiple exchanges (using coingecko/cryptoexchange gem)

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

Created 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 houseofsnowball.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

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

Referees

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