

Nicholas Hemsley

Computer Scientist, Data Scientist

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Skillset

Ruby On Rails & ActiveRecord
Ruby
Javascript (Browser & Nodejs)
Linux administration
Postgres
MySQL
Ember JS
Vue JS
React *
Flutter
Devops
Docker
Kubernetes
Amazon AWS
Google Cloud Platform *

Google APIs (maps, places, drive, oauth)
PHP (Laravel, Symphony)

* I have limited experience with these technologies.

Interests

Tech: Ruby, Rails, JAMStack, WebAssembly, WebGL, Cesium, Mapping, PostGIS, Docker, K8s, Compilers, Functional programming, Smalltalk, Lisp.
Life: Surfing, Camping, 4WD, Urban Gardening, Building things with tools.

Current Position

Itomic Web Design & App
Development
(August 2019 - Now)

Vue, Laravel, API Development and Devops at Itomic
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.

Previous Positions

Media On Mars
January 2015
June 2017

I worked with Media On Mars on a ad-hoc basis. Troubleshooting problems as they arose for running websites.

Leftclick.com.au
June 2012
December 2012

PHP, Mysql, javascript programming. At leftclick I worked primarily on two related projects. One was implementing a generic search framework & interface for a client of Leftclick, which was looking to launch it's on line classifieds. Think multiple search constraints across a broad range of classifieds listings. Faced with a myriad of search options per classifieds & categories, we developed a data driven search framework, which expedited the creation of the User Interface & database queries across this di verse range of classifieds listings. I also implemented a green-field SSO solution for a client needing Single Sign On across their range of on line presences. I employed extensive functional testing to make sure the application behaved as expected, and kept behaving that way.

Phone Control Australia
February 2007
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. I took a break from IT & programming after this job...

Freelance Experience

Fremantle Guitar

August 2018

Now

I worked with Fremantle Guitar to augment their customer invoice tracking system which was utilising airtable. Send out emails to clients when invoices are due. **Ruby**

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. Google Auth for SSO. **Ruby On Rails**

Cryptocurrency Exchange

Arbitrage

January 2018

June 2018

I worked with a crypto startup 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

I developed a quoting website for a client 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

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. Please note, this website has been taken down as the client is working in a position that creates a conflict of interest. However I can provide a link to the website upon request.

House Of Snowball

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

References

Interests

Education

Busselton Senior High School
Edith Cowan University, Mount Lawley
Bachelor of Computer Science

1993-1997
2001 - 2005