



# Thomas Crha

Full Stack Developer

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🐦 @bitbyte9

## EDUCATION

### B.E in Information Technology - Major System Admin

Charles Sturt University CSU via distance  
2011 - 2015

### HSC & SC

Blue Mountians Grammar School  
1999-2000

### OH/S Construction Induction Training Certificate

### RSA & RCG

## INTERESTS

Gaming

Electronics

Metal Fabrication

## SUMMARY

Hi I'm Tom, I'm a full stack software engineer with experience with large highly available, cloud based web applications with a user base's in excess of 500k. I've been working in a remote/working from home capacity for the last 3 years and enjoy the flexibility and balance it provides me with. I've been intrested in computers since I was a child and the fascination I garnered during this period has continued to stay with me, as I continue to persue all sorts of different projects/hobbies.

## EXPERIENCES

### Full Stack Software Engineer

Mar 2018 - Present

Appen Australia, WFH

Part of a small team maintaining Appen's language resource work tool, Ampersand.

- Moved from our old system to Ampersand beginning 2018
- Helped increase testing code coverage to 85%
- Implemented our lexicon tool into Ampersand feature set

## Project Engineer

Apr 2015 - Mar 2018

Appen Australia, WFH

Creating custom solutions for various projects to meet client and business needs. Working with linux, python, bash and various other technologies and equipment

- Helped transition from python2 -> python3
- Created multiple different packaging scripts and workflows for repeat clients
- Created an automated backup system utilising AWS's Glacier storage tier

## Founder and Operator

2014 - present

9 Bit Byte

A computer solution company providing mainly small business in my local area with various tech services and assistance.

## Lead Developer and System Administrator

2015 - 2017

Outflanked Paytracker, AUS

An application allowing workers to track their pay when they work unusual hours and on forever adjusting award rates.

## Fresh Produce Service attendant

Jun 2011 - Apr 2015

Coles Katoomba, AUS

Processing stock, mark-downs, waste, ordering, point of sale, Merchandising, rostering

## THINGS I'M PROUD OF

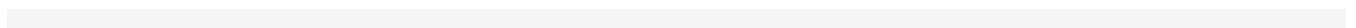
Video transcription/annotation 'work page' - allows users to mark the video using a view finder at multiple points. These can be grouped into pairs (start and end) utilised for transcription or singular points for annotations and tagging. It also allows users to select areas in the video feed itself, this is utilised for identifying specific object types specific to the collection.

End-to-end selenium testing suite - a client side testing suite implemented with server tests, utilising selenium, docker and py-test allowing end-to-end testing of web applications. The framework provides a simple methodology for working through webpages via xpath's, allowing for DOM object waiting/checking.

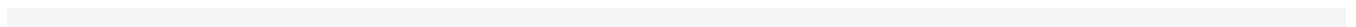
Secure Transcription - An application allowing for the automatic downloading of audio sources from a specialised body-cam provider. The application would listen for new files to become available and download them, a separate application would then host the files in an air-gapped area allowing transcribers to do their work. The result is then sent to the body-cam provider. All this required a high level of security and the utilisation of best practices.

## SKILLS & PROFICIENCY

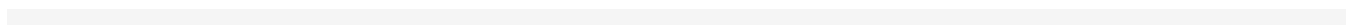
### Python



### Javascript & jQuery



### HTML5 & CSS



AngularJS

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BASH & Perl

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Linux

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Designed with ❤️ by Xiaoying Riley for developers  
Ported to Pelican with ❤️ by Suhaib Khan  
Ported to a Pelican Template ❤️ by Thomas Crha