

Adam Hill

CTO AND FULL-STACK SOFTWARE ENGINEER

Launceston, Tasmania

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I help online startup companies actually start up, delivering them kicking and screaming into the world wide web.

Rapid prototyping and full-stack web development are where I shine with expertise all the way down the stack.

I've been freelancing full-time since 2004 and love the freedom along with the amazing variety of work: development, design, copywriting, project management, SEO, consulting, business strategy, marketing, tech support...

Experience

Chief Technology Officer

Launceston, TAS
Aug 2018 - Present

BioClinical Services

I am the designer and developer of the BioClinical Services (BCS) libraries: the Clinical Library (primarily includes manufacturer's Instructions For Use) and the Surgical Library focuses more on the documentation for reprocessing of instruments.

I was originally a contract software engineer hired by the BCS CEO, George Koning way back in 2009. With my software engineering and design background, I have helped launch many creative and revolutionary apps, and BCS is no exception. I came onboard as BCS CTO in August 2018, providing strategic advice and system support and has been my full-time development focus since March 2022.

With the recent developments including our custom search engine, we have seen the hospital install-base grow to over 500 hospitals! Distributors are now secured across both the UK and NZ for further expansion.

Owner

Low Head, Tasmania
Feb 2004 - Present

Advanced Design Online

This was my sole trader business which enabled freelance web development / design / SEO / consulting / CTO-for-hire.

My final new client was Pasture.io from December 2018 to May 2019 inclusive, which turned into full-time work 6 months later as the CTO.

I still provide hosting and maintenance to some old projects (marked with an asterisk) but I am now working full-time at BCS so cannot offer services to new clients.

My delivery is incredibly reliable and clients will use my services for 10+ years with some highlight projects including:

- *Fahan.tas.edu.au: the initial website + tailor-made Ruby on Rails CMS made in 2010 (and revamp design in ~2016) complete with event booking and payments
- *AWMLondon.gov.au: a SEO HTML5 replacement of their incredible original Flash implementation
- MathsRepublic.com.au: web app for teachers to assign math problems to students all within a modern clean dark-mode design. The complexity also lay in the admin area with the user and content management being delivered in another rock-solid Ruby on Rails app. The original owner, Alan Power sold the IP rights to me when he retired late 2019 but other work took all of my focus so I shut down MR. In hindsight, having an all-inclusive online classroom ready (complete with interactive whiteboard) before Covid-19 swept the nation was the biggest missed opportunity of my career to-date
- *PatientPartnerProgram.edu.au: initially employed by UTas to create this booking system and education assessment tool still used by UTas and Monash
- *CunninghamsCars.com: I overhauled the design with a custom CMS in 2012 and is still live and kicking
- LCGS.tas.edu.au: I implemented the redesign in 2004 (and another years later), I made a full custom PHP CMS and they remained a client until 2013
- PlaySport.com.au: was my first PHP contract when I was still at university, with a custom rostering solution that stayed online from 2002/3 until 2019

Chief Technology Officer

Launceston, TAS
Dec 2018 - Feb 2022

Pasture.io

After an initial 6 months of part-time work as a contract software engineer, I transitioned to become CTO for my final 2.5+ years here full-time where I wore many hats. My favourite work involved the design and engineering, allowing me to tap into my creative side with opportunities to invent and then personally turn those inventions into reality through the magic of software engineering. Inventing, designing and full-stack development.

Highlights during this era include designing and developing both the V2 application backend API and V2 front-end UI, with revolutionary and unique inventions like the on-farm activity-based map and graph overlays, live animated satellite tracking 3D globe, animal tracking heatmaps and making the world's first animal tracker to grazing record automation software.

In addition to performing web and advertisement design, I was also the graphic designer on lots of print work projects including flyers, brochures and giant 3 metre conference banners plus contributions in both SEO and SEM.

Gigster

I got hired as an engineer at Gigster to do what I do best - code like a beast and help deliver business-critical products for tech start-ups and established businesses alike. Oftentimes these products are the core of the companies themselves and I take pride in my work despite the NDAs that prevent me from saying the actual names of gigs I've worked on specifically... But I can say I've made:

- government dashboards
- health-tracking software for schools
- big-data backup order tracking for an IT firm
- a cooking community app
- a US-based resumé builder / employer-employee matching system
- an Australian-based space-for-rent system (like AirBnB but for any space)
- a large component of a suite of apps that handle casual worker management, an SMS-based survey system and a trio of apps for a company that looks like it could be Uber for construction

I'm was ranked in the top 20 of about 400 developers.

Web Developer

Launceston, TAS
Jan 2005 - Apr 2017

University of Tasmania

Launceston Clinical School developer
Launceston Clinical School developer

Jan 2007 - Apr 2015

After the initial phase of the Patient Partner Program (www.patientpartnerprogram.com.au) was undertaken through the UDRH, I was hired by the LCS directly to continue development.

With a liquid specification, this continues to grow, and 2008 has seen major steps towards commercialisation. Using Ruby on Rails makes this system relatively easy to grow and has been a huge advantage from the start. After the initial phase of the Patient Partner Program (www.patientpartnerprogram.com.au) was undertaken through the UDRH, I was hired by the LCS directly to continue development. With a liquid specification, this continues to grow, and 2008 has seen major steps towards commercialisation. Using Ruby on Rails makes this system relatively easy to grow and has been a huge advantage from the start.

University Department of Rural Health
University Department of Rural Health

Apr 2006 - Jun 2007

I was originally hired to work on the Patient Partner Program (www.patientpartnerprogram.com.au) for the Launceston Clinical School through the UDRH, but this led to substantial Ruby on Rails work for the UDRH site itself (www.ruralhealth.utas.edu.au/), developing the Rural Health Week site (www.rhwtas.com.au) and working on the Meander Valley Council survey (survey.meander.tas.gov.au). I was originally hired to work on the Patient Partner Program (www.patientpartnerprogram.com.au) for the Launceston Clinical School through the UDRH, but this led to substantial Ruby on Rails work for the UDRH site itself (www.ruralhealth.utas.edu.au/), developing the Rural Health Week site (www.rhwtas.com.au) and working on the Meander Valley Council survey (survey.meander.tas.gov.au).

School of Nursing & Midwifery developer
School of Nursing & Midwifery developer

Jan 2005 - Nov 2006

I worked on the UTAS School of Nursing & Midwifery website (www.snm.utas.edu.au) on a casual basis over a couple of years. This involved obviously a lot of updates, along with standards compliance work, xml menu generator in PHP, many email forms and PHP work, along with some work on the Fast Track Nursing site (www.fasttracknursing.com).

I also got to help set up the VitalSim manikins and wrote several scenarios for them. I also got to play with the InHospital software from them which was awesome. I worked on the UTAS School of Nursing & Midwifery website (www.snm.utas.edu.au) on a casual basis over a couple of years. This involved obviously a lot of updates, along with standards compliance work, xml menu generator in PHP, many email forms and PHP work, along with some work on the Fast Track Nursing site (www.fasttracknursing.com). I also got to help set up the VitalSim manikins and wrote several scenarios for them. I also got to play with the InHospital software from them which was awesome

Tech Co-Founder

Australia
Apr 2013 - Apr 2014

Always Golfing

Always Golfing was conceived in August 2012 by Ben Jones, Nick Waldron and myself with the motto 'more golf. more often.' Always Golfing has created this website with the primary function of providing casual golfers with the opportunity to access two for the price of one golf vouchers for use at participating clubs nationwide.

Education

Master of Computing

Launceston, Tasmania
Feb 2001 - Jun 2006

University of Tasmania

In 2001, I was awarded a University of Tasmania National Undergraduate Scholarship in Computing for four full-time years of study where I commenced the Bachelor of Computing degree. I gained a broad understanding of many areas of computing including programming, project management, game design, networking and exposure to many software environments.

During the three year undergraduate course, I received a total of 17 High Distinctions, 6 Distinctions and 1 Credit and was placed on the Dean's Roll of Excellence for each year. My team came third in the Pacific region of the world-renowned ACM ICPC programming competition.

I went straight into a Bachelor of Computing with Honours degree, which I later changed to a Masters in Computing where I researched and studied robotics, functional programming, mobile and ubiquitous computing. I finished my Masters while simultaneously working six part-time jobs. I have always pushed my limits.

Grade 6-12

Launceston, Tasmania
Feb 1994 - Dec 2000

Scotch Oakburn College

I attended SOC on scholarship from 1994 to 2000. In years 11 and 12 I studied computing, as many mathematics subjects as I possibly could, physics, chemistry and Japanese. I was equal dux of the college having received a perfect TCE score of 100.0 and received the equal highest Interstate Tertiary Index score in Australia with the maximum of 99.95.

References

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