Chris Done

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I'm a builder! I can't remember the last week I didn't work on making something...

1 Available

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Github:	https://github.com/chrisdone

2 Qualified

2012	Course in Italian studied at CREATE-NET
2008	Course in British Sign Language at Birchall
2006	Computing degree with Sunderland University
2004	Computing diploma with Wigan & Leigh College

3 Skilled

Skill	Used for	Last used	Skill	Used for	Last used
Haskell	6 years	currently	ASP .NET	1 year	2 years ago
Git	4 years	currently	Apache	1 year	2 years ago
Linux	7 years	currently	Lighttpd	2 years	2 years ago
nginx	3 years	currently	XHTML	6 years	2 years ago
PostgreSQL	3 years	currently	XSLT	1 year	2 years ago
C	4 years	currently	C#	1 year	2 years ago
JavaScript	8 years	currently	MySQL	4 years	2 years ago
PHP	8 years	currently	ASP Classic	4 years	2 years ago
HTML	12 years	currently	Scheme	1 year	4 years ago
C++	1 year	4 years	ActionScript	1 year	6 years ago
Elisp	6 years	currently	Common Lisp	3 years	currently

4 Experienced

- 2010–2013 — CREATE-NET/EAI: Producing large web applications for conference management utilizing Haskell, PostgreSQL, heavy JavaScript, Java, and PHP.

- 2009–2010 — Forte Trinity: Producing web sites with ASP classic, C# .NET, PHP, JavaScript, jQuery, CSS, XHTML, XSLT, MS SQL, MySQL, MS Access, crossplatform/browser targetting, W3C-standard and accessibility compliance testing.

- 2006 — AC Computers: Installation of Novel Groupwise networks; building hardwarefirewall computers; installation

5 Open Source Projects

Projects of note within the Haskell community are http://tryhaskell.org and http://hpaste.org, which are both fully implemented and maintained by me. Please see my Github (http://github.com/chrisdone) for stuff Ive been working on for the past few years in my personal time (that I decided to publish).

5.1 Fay

Fay is of particular interest recently for the web programming subcommunity of Haskell: https://github.com/faylang A more full description is here: https://github.com/faylang/fay/wiki

In summary it is a codegenerator for Haskell using the haskell-src-exts package, it has a convenient FFI and is easily installed, and it produces very small code with the aid of the Google Closure compiler. It's been used by Yesod developers, Happstack developers and for educational tools (e.g. Gloss). An IDE is available here: http://ide.fay-lang.org/

5.2 Highlights

Here is a small list of projects that I found particularly interesting or noteworthy.

- http://chrisdone.com/numbergeddon/ — Simple space flying game with trivial arithmetic as the challenge (its harder than you think when controlling a flying ship!). If it takes you more than 5 minutes to complete, you suck.

- https://github.com/chrisdone/lisk — A concept implementation of an alternative Lisp-based syntax for Haskell, my ideas were successful, but to do it properly would require direct modification of the GHC compiler, or maybe hacking on UHC, Im open to ideas.

- https://github.com/chrisdone/url-generic — Parse/format generic key/value URLs from record data types.

- https://github.com/chrisdone/flo — A program and simple notation for your source code files that will allow the program to generate a flow chart.

Another concept based on a challenge by a friend of how feasible this is. Its feasible. Would I want such a thing? Thats another question.

- https://github.com/chrisdone/css — A little monadic DSL for CSS. Id prefer it to be more type-safe, but these days I am focusing my efforts more on a WPF-ish notion of GUIs rather than the low-level efforts of CSS.

- https://github.com/chrisdone/freenect — An interface to the Kinect library called Freenect, supports depth perception which can be used for all sorts of things. Adding video would be trivial, when needed. I made some GLUT examples in there which you can try if you have a Kinect.

- https://github.com/chrisdone/hulk — An IRC server, which has been in use by at least the developer team at EAI for one year with no problems, it has some small enhancements that regular IRC servers do not have, afforded by the ease of changing it, as its written in Haskell. It took literally an evening to write the first usable implementation.

- https://github.com/chrisdone/pgsql-simple — PostgreSQL library that talks to the PostgreSQL protocol directly from Haskell over TCP/IP, this works flawlessly for my uses—Ive used it on hpaste.org for about 7 months—though there is some interesting work to be done on testing its speed and doing optimizations.

- https://github.com/chrisdone/jquery-console — A simple library that creates a scriptable console with jQuery in the browser. I use this on try-haskell.org, as does try-erlang.org, tryarc.org and tryclj.com. It's also in use on http://try.github.com/

- https://github.com/chrisdone/grok — This is just a proof of concept, to make a structural editor for Haskell. The idea of structural editing isnt very new, but its always elusive and interesting. It's written in Fay, runs in the browser.

- https://github.com/chrisdone/cabal-sign — A trivial Cabal package signing utility for use with Hackage. Hackage is awaiting a major overhaul with Hackage2, but that is long time a-coming.

- https://github.com/chrisdone/z — A weird programming language based on the concept of indentation-based codeblocks in Markdown. See a description here: http://chrisdone.com/z I don't plan on using it for real.

- https://github.com/chrisdone/haskell-docs — A nice tool to display documentation of a symbol in a module, using Haddock's API.

- https://github.com/chrisdone/sourcemap — Source maps implementation (planned for support in Fay). More or less a direct copy from the Mozilla codebase into Haskell

- https://github.com/chrisdone/scrobble — An implementation of the Scrobble server and clients, it makes it easy to run your own. Works with Quod Libet, Clementine (if you patch the liblastfm library to support any scrobbling server).

- https://github.com/chrisdone/ety/ — A little tool for scraping etymology definitions from etymonline.com. I use it to provide a "daily etymology word of the day" for me and some friends. Email me if you want to be included in the exclusive club! (But seriously I might make a web app of it if the admin of etymonline will approve of it).

- https://github.com/chrisdone/pdfinfo — Simple library that makes a type-safe API over the pdfinfo executable. Very useful though.

- https://github.com/haskell/haskell-mode — I'm an active hacker on haskell-mode, the Emacs package for Haskell. The new interactive mode, for example, is mine.

6 Employed Projects

6.1 2010–2012

- Confy Submission System — http://confy.eai.eu/ — A large peer review and camera ready submission system written in Haskell with a JS front-end, with proceedings generation and exportation to Springer, ACM and IEEE (with some Java for PDF generation), and integration with two other existing systems (CMS/admin and conference web site composer) written in Common Lisp.

- Forj form system — http://forj.icst.org/eforensics2010-evaluation.html — Example here, a system for composing, generating and saving forms based on a simple layer ontop of markdown syntax. Used on various web sites within EAI.

- EUDL — http://eudl.eu — European Digital Library — currently indexing 5,000 academic articles and some 500 proceedings, published via ICST. Written entirely in Haskell.

6.2 2009—2010

- Products For Hair — An e-commerce web site for a hair salon written in Haskell, using HSBC API.

- Firsway — http://firsway.co.uk/ — A Nissan dealer company web site displaying used cars, importing latest cars from 2nd Byte spreadsheet upload, written in ASP classic and PHP.

- Snowchainshop — http://snowchainshop.co.uk/ — E-commerce web site for selling snowchains, written in C# and XSL, uses SagePay.

- Ask4Tape — http://ask4tape.com/ — An e-commerce web site for tape supplier company, using SagePay (Protx) API, written in C# .NET and XSL.

- Healthcare Connect — http://healthcareconnect.co.uk/ — A healthcare service advertisement company, uses Yahoo geocoding API to provide postcode-restricted results of local clinics. Provides healthcare articles and news. Written in JScript .NET.

- Chic Unique — http://www.chicunique.co.uk/ — An e-commerce web site for a womens fashion company, using RBS WorldPay API. The pages are cached for very fast responsiveness. Written in C# .NET and XSL.

- David Borrow MP — http://davidborrowmp.co.uk/ — Web site for MP David Borrow with news, campaigns and image gallery. Written in ASP classic.

- Elite Healthcare Ltd — http://www.elitehealthcareltd.co.uk/ — E-commerce site for a healthcare equipment supplier, using SagePay API. Written in C# and XSL.

- ACPA — http://acpa.org.uk/ — An e-commerce web site for the Certified Public Accountants Association, complex form process for registering as a certified accountant, using SecureTrading API, member registration, member news, seminars, upload materials for seminars, etc. Written in C#.

- Promatic — http://promatic.co.uk/,http://promatic.biz/ — Web site for British and American supplier of clay pigeon traps, displaying products and offers, news/archive, option to switch between US and UK version on the page (same codebase). Written in C# and XSL.

- Hilltop Products — http://www.hilltop-products.co.uk/ — E-commerce web site providing various insulation products (drills, cables, etc.) with news section, testimonials. Written in JScript .NET, using SagePay API.

- DPG PLC — http://www.dpgplc.co.uk/ — Provided extra functionality to this existing web site for adding content to the site with a WYSIWYG editor, news section and testimonial JavaScript ticker.

- Gravity Cue — http://www.gravitycue.com/ — E-commerce web site for selling snooker cues, written in C# .NET and XSL, using SagePay API.

6.3   2008

- Unsworths Funeral Service — http://unsworthsfuneralservice.co.uk/ — Simple static web site written in PHP with contact page, Google map.