

Chris Harrison

7 years experience

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Summary

- Started programming in BASIC on an Amstrad CPC microcomputer in 1997 at the age of 9.
- Wrote my first HTML page in 1999.
- I build responsive HTML/CSS frontends that are accessible and semantic. I have extensive experience with frontend Javascript frameworks.
- I build backend websites and APIs using web frameworks. Focussed on performance and handling multiple req/sec without race conditions or concurrency issues.
- I build applications that scale well over multiple machines using queues. Have designed and deployed application infrastructures in AWS and Azure.
- I am a big Redis fan. I believe most relationships can work faster as a list or sorted set. I also write my own Lua scripts in Redis when atomicity is important.
- Due to spending many years in Asia I am experienced in localisation and i18n.
- Have worked in a test-driven-design environment.

Skills

PHP	Javascript	Laravel	FuelPHP	Codeigniter	jQuery	SQL	TDD	DDD
REST	AWS	Windows Azure	Redis	HTML	WCAG	CSS	Git	Mercurial
PHPUnit	Objective-C	Swift	Lua	LAMP	Nginx	CentOS	Git Flow	
Code review	Vagrant	OOP	SOLID principles	JIRA				

Experience

Senior software developer, Funeral Zone

📅 November 2016 – Present

📍 Exeter, UK

- Started work on a backend to a new app. Backend is planned to be a set of GraphQL resolvers.

Software developer, Microtest Ltd

📅 April 2016 – November 2016

📍 Cornwall, UK

- Wrote web based clinical software for use in the NHS. Worked within an Agile team with a 1:1 dev/tester ratio. All project cards had to go through code review and testing in order to pass. Evidence of this was recorded in order to meet NHS mandated standards.
- Worked to guidelines set by clinical safety officer.
- Developed a locum matching service for GP practices to book locum doctors into sessions. System handled the locums' invoices and NHS pension forms based on hours worked.
- Worked on a fast vaccination service. Ability for clinic leaders to specify vaccinations, vaccination routes/jab sites and patients. Practitioners can quickly and easily record vaccinations into patient notes after vaccinations performed.

Technical Team Lead, Netccentric Ltd

📅 January 2014 – April 2016

📍 Singapore

- Took over responsibility of a mobile app called Dayre – a popular social media platform in the Asia Pacific region. Has 500k users and 100 req/sec and above regularly hitting the API. Service requirements were high traffic / high availability.
- Acted as line manager to a technical team of 7 made up of developers and designers.
- Responsible for working with product manager and CEO to plan new features, architect software and document existing systems.
- Responsible for mentoring team, introducing best practices and reviewing new technologies.
- From May to November 2014 I oversaw the migration of the backend (as well as the iOS and Android clients) from a service called parse.com to a PHP/SQL/Redis backend hosted on AWS. We increased the average response time from 2 secs to 50ms.
- I wrote a completely custom JSON parser to convert 100GB of parse.com JSON data into SQL. Because speed was important for minimal downtime, it was designed to work in parallel across multiple machines without introducing any inconsistencies in the data.
- Implemented the web frontend at dayre.me. The website acts as a frontend client, accessing the backend over our REST API.
- From January to March 2015 I rewrote the Dayre iOS app from scratch in Swift.
- Mid 2015 spent time optimising image uploads and geo-locating the CDN's DNS to save costs.
- In November 2015 I started the process of migrating from AWS to Azure as part of a partnership with Microsoft.
- Developed a "fan-out" NoSQL based user feed system using publish/subscribe pattern and Redis.

Senior software developer, Induxive Sdn Bhd

📅 September 2012 – January 2014

📍 Johor Bahru, Malaysia

- Worked on a variety of medium sized client projects. Area of responsibility was frontend and backend development.
- Clients included:
- MGP. One of the top fashion ecommerce stores in Singapore. Prestashop implementation with 8 custom modules written for the project. (<https://mgplabel.com>)
- Sheraton Hotels. Custom PHP framework and backend.
- Toytag. Specialist toy retailer in Singapore.
- Viva Creation. Large retailer and manufacturer of designer smartphone accessories across Asia. (<http://vivacreation.com>)

Senior web developer, Ripplewerkz Pte Ltd

📅 April 2010 – September 2012

📍 Singapore

- Developed imotiv.ly a blog aggregating platform. Part of the Nuffnang blog advertising network with over a million blogs and present in over ten countries in Asia and Europe. One of the design goals was that the web crawler would reflect any change in the 1 million strong index within a maximum of 5 minutes.
- Developed a patent-pending summary system to grab the most 'interesting' sentence from a blog post. Involved natural language processing (NLP).
- Led the development of propmatch.com a property portal for Singapore that was receiving 70,000 uniques per month at its peak.
- Worked on client projects such as microsites, Facebook applications and larger scale web applications.
- Clients included Peel Fresh, Pioneer, United Nations, Nissan, Love Bonito (Singapore's largest online fashion retailer), Jipaban, Nuffnang.
- Wide experience integrating with third party APIs. Payment gateways, REST etc.
- Developed over twenty modules for the open source eCommerce platform Prestashop.

Web developer, Ren Media Ltd

📅 May 2009 – April 2010

📍 London, UK

- Built in-house classifieds websites for marketing UK companies to China.
- Extensive experience of localisation/i18n for Chinese users.

Education

Bachelor of Arts Upper Second Class, Middlesex University (2009)

Interests

- Badminton
- Politics
- Designer board games