

# Aaron Marr

Software Engineer

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## Summary

Creative problem solver with a thirst for learning. I've spent the last 10 years building digital products in industries ranging from education and IT, to retail and the third-sector. I'm now looking for a new Software Engineering role.

## Work experience

### Full-Stack Developer

Mar 2019 - Present

Headforwards (Remote)

Working in a cross-functional team building a suite of business intelligence products for the leisure industry

- Led the Front-End development of a new analytics product built using React and Node.js
- REST API design and development using Express
- Database administration using Postgresql
- Supporting developers in the adoption of a new tech stack
- Improved the maintainability of a AngularJS application by incrementally refactoring into React with Hooks
- Reduced asset sizes by orders of magnitude by refactoring a large legacy CSS codebase using Tailwind CSS
- Improved the accessibility of the marketing website by ensuring pages conform to at least Level 2 WCAG
- Improved the performance of the marketing Website by utilising Lighthouse Page Speed tools
- Playing an active role in future direction with regards to software design

**Skills:** React, Express, Node, Postgres, Unit Testing, E2E Testing, Jest, Cypress, Data Visualisation, Planning, UI Design, Refactoring, Front-End Development, Backend Development, Java, Spring Boot, Docker, Kubernetes

### Senior Developer

Mar 2017 - Mar 2019

Colateral (Hybrid / Remote)

Working in a cross-function team, building products for the retail industry for clients including Tesco, WHSmith, and Mothercare

- Developed a suite of commercial artwork provisioning workflows using React and Node.js
- Rolled out a Mocha / Chai / Enzyme test suite to cover up to 80% of an existing large-scale React codebase
- Improved the signup process of a legacy Django application
- Improved the UX of a mobile application by building a notification pub/sub system in Django
- Supported new developers coming into the team by providing guidance and through pair programming

**Skills:** React, Koa.js, Django, Wagtail, Unit Testing, Front-End Development, Backend Development

### Front-End Developer

Mar 2016 - Mar 2017

Torchbox (Remote)

Working in an agency environment, building websites for charities and NGOs including Mencap, Africa Portal, and Ambition Institute

- Front-End development for Django / Wagtail Websites
- Working in a cross-functional team, ensuring work is completed on time and to budget
- Evangelising component-first development using Patternlab
- Built a microsite for a very successful marketing campaign for Mancap under tight time pressures

**Skills:** Front-End Development, Wagtail, Drupal, PatternLab, Component-driven development, JavaScript (ES6)

## Freelance Developer

Oct 2015 - Mar 2016

Contractor (Remote)

Working as a contractor for mainly for Codebase 8, I helped the team build a range of B2B and B2C Front-End websites for clients including The AA and Confused.com

- Helped the team to restructure and improve maintenance of the UI (CakePHP) by taking a component-first approach
- Collaborated with internal stakeholders in the creation of a reusable UI framework that was utilised across several brands
- Built a SaaS prototype for a private client using Ruby on Rails

**Skills:** Front-End Development, Ruby on Rails, Twitter Bootstrap, CakePHP, Consultancy

## UX / UI Developer

Jul 2015 - Oct 2015

Dewsign (On site)

Working in an agency environment, developing a range of WordPress and custom PHP websites

- Front-End development for brands including Port Elliot Festival and Flying Colours Wealth
- Improved Front-End tooling and build processes
- Streamlined development environments using Docker
- Custom WordPress theme and plugin development

**Skills:** Front-End Development, WordPress, DevOps, Docker, PHP, Sass, CSS, HTML5

## Headforwards

Oct 2014 - Jul 2015

UX / UI Developer (On Site)

Working in a large team of UI specialists, building a suite of software components for NTT Communications Enterprise Cloud

- Developed UI components for NTT's Enterprise Cloud using Backbone.js and Marionette
- Built and maintained a large-scale Sass framework using ITCSS
- Prototyped a series of UI components using InVision
- Used competitive analysis techniques to understand UI patterns that the user base is familiar with

**Skills:** JavaScript, Backbone, Marionette, UI Design, UX Design, Prototypes, Wireframes

## Learning Information Designer

Jun 2012 - Sep 2014

Falmouth University (Hybrid / Remote)

At Falmouth University I was responsible for the design and development of the University's online learning platform.

- Designed a popular Moodle theme which had over 40,000 downloads in the first 3 months of launching
- Designed a Moodle theme which was used by the Australian government
- Developed several departmental blogs using WordPress

**Skills:** Front-End Development, UX / UI Design, Prototypes, Wireframes, User Research, HTML, Sass, JavaScript, WordPress, PHP, SlimPHP, Twig, Twitter Bootstrap, jQuery, Bower, Gulp, Docker

## Learning Technologist Intern

Jul 2011 - Jun 2012

Falmouth University (Hybrid / Remote)

As an intern based at the Academy for Innovation and Research, I helped bring several Web projects to life

- Developed a custom Drupal theme for the Contemporary Design Practice bespoke learning environment
- Built a fully responsive website for the Falmouth MBA course based on Moodle

**Skills:** Web Design, UX Design, WordPress, Drupal Themes, HTML, CSS, Git

## Education

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### **PGCHE in Creative Education**

Sep 2013 - Sep 2014

Falmouth University

This post-graduate qualification was a great opportunity to study the learning process which people go through during their degrees. With a focus on online learning, I was able to utilise many aspects from this course during my role as Learning Information Designer at Falmouth University.

### **BA Digital Media**

Oct 2007 - Jun 2010

Falmouth University

In my final year, I developed an interactive "sound toy" using the graphical programming language Max/MSP. This was the first time I made anything I'm proud of using code, and I've been hooked ever since.

### **FdA Computing**

Jul 2006 - Jul 2007

University of East Anglia

Foundation Degree in Computing

## Skills

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Front-End Development, Full-Stack Development, Interface Design, Interaction Design, Agile Software Development, Data Visualisation, Unit Testing, Integration Testing, E2E Testing, Debugging, Agile Project Management

## Technologies

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JavaScript, React.js, Node.js, Express.js, Sass, Postgres, Docker, Kubernetes, Mac OS, Linux, AngularJS, Tailwind, Python, Django, Postgres, SQL, Jest, Mocha, Chai, WordPress, jQuery, PHP, SlimPHP, Ruby, Ruby on Rails, Vim, Emacs