

Ben Ross

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I'm a creative full stack developer with a background in music. I discovered a passion for coding while teaching myself front-end development in my spare time and decided to pursue it as a career by studying full-stack development at Makers Academy, London's leading coding boot camp. Since then I have quickly adapted to working in small and larger teams with new and older codebases using a variety of technologies.

Experience **Software Engineer** - *YouView* (July 2019 - present)

- Voluntarily: mentored new hires, gave knowledge sharing presentations, participated in a sustainability hackathon, created shared documentation and led improvements on automating android TV software releases
- Learnt Android, Kotlin, GitHub Actions, AWS and RxJS from scratch
- Led team Scrum ceremonies
- Enabled YouView's end-to-end test runner to run different tests on different TV box types with Node.js, JavaScript, Mocha and Cucumber
- Helped build a Node.js script to automate tasks for shipping YouView's Android TV app
- Created front-end, back-end and cloud features for TV boxes using JavaScript, Node.js, TypeScript, React, AWS, Kotlin and Android
- Wrote automated tests for UI changes using Jest, Mocha, Cucumber, Gulp and GitHub Actions
- Diagnosed and fixed bugs in YouView's Android apps and JavaScript-based UI

Software Engineer - *Root Capital LLP & XenZone* (October 2017 - February 2019)

- Added a UI feature in production in my first week despite unfamiliarity with React
- Learnt from scratch: TypeScript, React, Redux, Jest, Material UI, MJML and Mustache.js
- Wrote API endpoints in back-end microservices using Node.js, Koa.js, PostgreSQL and Knex.js, adding documentation using Swagger
- Built an email rendering library using Node.js, TypeScript, Mustache, Mocha and MJML
- Created a login form with form validation using test-driven development, React, Jest and Material UI
- Took on larger refactoring tasks in both the front-end and back-end to improve codebase quality

- Voluntarily tracked and helped encourage tackling of team tech-debt

Junior Full Stack Developer - *Tasty Digital* (June 2017 – August 2017)

- Built responsive websites using PHP, WordPress, Genesis, jQuery, SASS, HTML & Bootstrap
- Created web icons and understood design mock-ups using Sketch
- Learnt from scratch: WordPress, Genesis, SASS
- Tracked and organised work using Git, Trello & Evernote
- Managed hosting and updating of websites using cPanel & FTP

Education

Makers Academy (July - November 2016) Focused on:

- Software Craftsmanship
- Applying Object-Oriented Programming principles
- Following TDD, BDD, Extreme Programming & Agile methodologies
- Self-directed learning, pair programming and group projects
- Designing an MVC architecture

University of Liverpool (September 2010 - June 2013)

- BA Hons Music and Popular Music (2:1) - Achieved 1:1 in World Music module

Tech & Projects My personal projects include technologies such as TypeScript, Node.js, React, Android and Kotlin. Most recently completed examples include:

Project	Technologies	Summary
sinon-workshop-examples	TypeScript, Node.js, Sinon.js, Mocha, Chai	Runnable Sinon.js examples for a mocking workshop I presented at YouView
we-got-tickets-scraper	Node.js, Mocha, Chai	A web scraper for WeGotTickets UK

Skills

Communication At YouView and Root Capital, I voluntarily mentored multiple new team members, pairing and giving support to help them learn quickly in a protected environment. At Makers Academy, I lead an in-person cross-team retrospective for 25 people, receiving praise for creating engaging discussions.

Creating Solutions At YouView, I created and helped implement ideas for solving team Scrum and ways-of-working issues, which were praised by both the team's Agile Coach and manager. At Makers Academy I pitched two prototype ideas - Atomodoro and Plyr2 - which won the majority of votes from 25 students to become real group projects.

Self-learning While at YouView, I have voluntarily taken online courses in Android (from Udacity and Udemy), RxJS and React to learn technologies on the job more quickly, and have created GitHub repositories to show the results of practising these technologies.