

Robert Cambridge

Self-educated software craftsman, solver of problems. Javascript specialist, experienced in React and node.js, commander of git, linux, docker and all things network. Passionate about *beautiful, readable, scalable* code. Moved to Amsterdam indefinitely in October 2018. I want to write code for you, hire me!

Looking for freelance work in Amsterdam from mid-August 2019.

"he really gave it 110% and was critical to the project's success" Eaden McKee

"highly skilled, battle-tested and a great team lead and mentor" Saemie Chouchane

"one of the most naturally talented programmers you'll meet" Jamie Learmonth

"a major advocate for best practice and code reviews" Christopher Hooks

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Experience

AKQA (*****.com), Amsterdam [05/2019 - 08/2019]

- Lead the development of this global brand's new website construction
- Brought Gatsby project from greenfield to delivery with a team of two
- Architected Contentful data structure for a global rollout across many regions and languages
- Bootstrapped project with popular tech such as React, styled-components, Storybook, jest & enzyme
- Created smooth animated transitions between statically generated pages
- Laid the ground work for a solid new development team to grow with best practices
- Ensured developer focus in order to consistently complete sprints successfully

Imperial Tobacco/Fontem (blu.com), Amsterdam [01/2019 - 04/2019]

- Configured webpack and Babel for Jest, Storybook and Next.js with Typescript
- Configured reverse proxy for micro-frontends with localisation and health checks
- Designed major parts of the API specification, with comprehensive buy in from the frontend+backend team
- Created new page components in React with styled-components and matching Contentful model architecture
- Improved OpenAPI / Swagger code generation templates for Typescript to better support inheritance/polymorphism
- Made development scripts to be transparently Windows-compatible

Ace & Tate, Amsterdam [10/2018 - 12/2018]

- Forged a plan to unobtrusively transition to continuous integration+deployment pipeline from previous error-prone strategy
- Dockerised services and implemented pipeline to Amazon AWS Elastic Beanstalk environments via CircleCI and AWS Elastic Container Registry
- Created high impact interactions in react-native with careful attention to user experience cost
- Built nodejs caching layer to mitigate data acquisition failures from third parties
- Rebuilt parts of the react application to gain confidence by way of thorough unit testing
- Coached the team through chaotic challenges with agile principles, ultimately building trust in development capacity
- Constructed visually-striking responsive promotional sections for the homepage
- Provided critical guidance and improvements for the e-commerce checkout experience

Tweag IO (Gain Theory), London [03/2018 - 07/2018]

- Rebuilt client-facing data visualisation tools in `reactjs/redux` using `d3` and `recharts`
- Collaborated with client to discover and establish data structure and functionality requirements
- Engineered `nodejs` server to parse client's data structure and store in `postgres` with SVO-based ACL using `cancan` and `passportjs`
- Created technical documentation for these tools to reduce cost of introducing future developers
- Collaborated with external design team to come up with fluid user experiences, implemented these designs
- Implemented various custom data visualisation interactions from scratch
- Installed frameworks for and diligently maintained unit+integration tests
- Dockerised all services, plus `docker-compose` for developer experience

Boston Consulting Group (wonderbill.com), London [07/2016 - 02/2018]

- Single-handedly created a web scraping framework in a Chrome extension, now a major part of this client's product and intellectual property value
- Researched and architected data structure to store consumer billing data
- Dockerised services to retrieve billing data periodically and automatically
- Provided documentation and trained developers to use scraping framework
- Provided accurate resourcing estimates for stakeholder visions and epics
- Architected and wrote user stories for new features, and executed them as lead of a small agile team
- Produced and implemented tracking strategies to follow and improve billing data accuracy
- Achieved and repeatedly exceeded improvement targets for data accuracy and acquisition efficiency
- Implemented features and fixed bugs in the `react-native` iOS+Android consumer-facing app
- Collaborated in pairs on `golang` and `ruby` backend services

Web Technology Group, London [01/2016 - 06/2016]

- Developed new features for a web-based document management intranet running `reactjs/redux`
- Implemented CMS-like flexibility to accommodate any shape of document
- Gained commercial front end experience in `reactjs/redux`

Arcadia Group, London [08/2015 - 12/2015]

- Collaborated with the front end development team working on leading UK retail brands' ecommerce sites' front ends
- Developed new features in a modern architecture and fixed bugs in legacy code
- Created reusable logic across the 8 retail sites whilst retaining brand identity

Square Enix, London [03/2015 - 06/2015]

- Continued development of new features on free-to-play video game website
- Created a single consolidating avatar provider microservice
- Iterated authentication library to support new major features retaining backwards compatibility

Expedia, London [12/2014 - 02/2015]

- Delivered features and fixes on the internal analytics/reporting intranet site running `backbone`
- Wrote unit tests for all new code
- Refactored non-standard `node.js` `express` API into organised RESTful endpoints
- Implemented MVP (presenter) architecture to abstract business logic from API URLs
- Rewrote the ACL to use permission-based authorisation with hierarchy and groups

Square Enix, London [05/2014 - 10/2014]

- Delivered the website for a major free-to-play video game from greenfield to production using `backbone` and `marionette`
- Created a cross-domain consumer authentication (SSO) library for company-wide roll out
- Worked with operations team to setup and troubleshoot deployment
- Worked with API developers to plan and create scalable RESTful interfaces
- Introduced peer review processes (pull requests) which were adhered to throughout

- Implemented website asset bootstrap and caching strategies

Sportlobster, London [01/2014 - 03/2014]

- Led a team of 3 developers amongst a greater product delivery team of 18
- Reviewed submitted code, mentored team when solutions didn't meet highest standards
- Built solutions for the more difficult problems that the team faced
- Brought structure where there was chaos by implementing JIRA and providing support

Boxlight, London [10/2010 - 12/2013]

- Architected, developed and deployed hundreds of web applications for clients
- Implemented mobile and responsive layouts for many of the applications
- Used web optimisation techniques for fast page loading and rendering
- Created a base project and modular toolkits to speed up development which are still in use today
- Carefully handled mission-critical production servers holding big data
- Used test driven development methodology

Worked with agencies such as adam&eveDDB, LBi and Hangar Seven for countless brands including P&G, Unilever, Phones 4u, Volkswagen, McDonald's, NSPCC, Warburtons, Cravendale, TK Maxx, Subway, Halifax and Wonga

Other keywords: *Babel, BEM, CSS modules, ES6, ES7, LDAP, LESS, mocha, MongoDB, MySQL, nginx, npm, redis, SASS*