

ALISTAIR WILLIS

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I'm a self-taught front end developer with commercial experience in an Agile environment and an extensive portfolio of web applications that demonstrate my skills in the fundamental technologies of modern web development. I write clean, modular code which is well-documented, easy to maintain and follows best practices. My professional experience has focused on Angular, but I'm keen to work in any forward-looking organisation that uses a modern approach to software development.

KEY SKILLS

- **LANGUAGES:** HTML, CSS, JavaScript (ES6), TypeScript
- **CSS:** Sass, Less, Bootstrap, AngularJS Material, BEM
- **FRONT END LIBRARIES:** AngularJS, Angular, jQuery
- **SERVER SIDE:** Node, Express
- **DATA LAYER:** MongoDB
- **TESTING:** Jasmine, Mocha
- **BUILD TOOLS:** npm, Webpack
- **SOURCE CONTROL:** Git, GitHub, Bitbucket, Sourcetree, GitFlow
- **WORKFLOW TOOLS:** Jira, Confluence
- **METHODOLOGIES:** Agile Software Development (Scrum), responsive design

Some exposure: React, Vue, PHP, C#, MySQL, Gulp

SOFTWARE DEVELOPMENT EXPERIENCE

Front End Developer | Ecodesk

Bath / Bristol (June 2018 - present)

Worked as a front end engineer in an Agile environment on a large, data-driven application that offers users a web platform to research and contribute resources relating to environmental rules and legislation.

- Used AngularJS, AngularJS-Material and CSS / Less on a daily basis to extend functionality, perform bug fixes, refactor legacy code and create new application features

- Delivered a new application module requiring complex data manipulation ahead of release schedule and worked with back end developers to integrate data service updates
 - Achieved 80% unit test coverage using Jasmine in complex scenarios including asynchronous tests, dependency mocking, and use of spies
 - Contributed to daily Scrums and used Jira, Sourcetree and Bitbucket to manage tasks using the GitFlow methodology
 - Worked closely with the Product Manager, QA team and other developers to interpret and negotiate product scope, fulfil user stories, and co-ordinate development tasks
 - Created internal documentation using Confluence and Gliffy
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PERSONAL PROJECTS

Book Exchange | <https://arwl-book-exchange.herokuapp.com/browse>

Angular 4.0, Typescript, Materialize, Node, Express, MongoDB, Mongoose

A book trading application that allows users to search data from the Google Books API and browse other users' books. Authenticated users can also create and manage a book collection and make requests to other users.

- Implemented user interface with progress bar, notifications, and background username check during registration for enhanced user experience
- Used bcrypt password encryption and JSON Web Tokens for secure authentication
- tested RESTful API with Mocha and Expect, and used Supertest for HTTP request mocking

Votogo | <https://votogo.herokuapp.com/home>

Angular 4.0, Typescript, Bootstrap, Node, Express, MongoDB, Mongoose

A voting application that allows authenticated users to create, share and view the results of surveys. Topics can be searched by title, and voting results can be viewed in both table and chart format.

- User interface implemented using Bootstrap and Angular animations
- Created a CRUD application with RESTful architecture on server side
- Integrated third party charting library with Angular to visualize data

Pathfinder | <https://pathfinder-2017.herokuapp.com/>

AngularJS, Node, Express, MongoDB, Mongoose, Passport, Google Places API

A web application which allows users to search for information on restaurants, shops, hospitals and other locations using four Google APIs. Users can save a location, and manage search results using a diary widget.

- Implemented social login using Google, Twitter and GitHub OAuth
- Used cloud data provider MLab in development and production
- Created fully responsive design in native CSS

- Exploited client-side caching of search results for improved user experience
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PREVIOUS WORK EXPERIENCE

English Language Teacher | Daesin Elementary School

Busan, South Korea (Aug 2014 - Feb 2018)

- Efficiently managed a teaching schedule of over 400 students
- Created imaginative and comprehensive schemes of learning at six different year levels
- Worked effectively with multiple co-teachers to achieve learning goals

English Teacher and Form Tutor | Dominican International School

Taipei, Taiwan (Aug 2010 - June 2013)

- Taught effective advanced composition, expository writing, and general English classes to High School and Middle School pupils
- Wrote, administered and invigilated internal school exams
- Maintained meticulous student records, created quarterly reports and met with parents to discuss student progress
- Acted as Year 6 Forum Tutor and organised class social activities
- Successfully co-ordinated the school newspaper and the Public Relations Committee; initiated and coached the Debating Club

English Language Teacher | SEST

Taipei, Taiwan (Sep 2005 - Dec 2006 / Aug 2008 - Aug 2010)

- Efficiently managed a 28 hour weekly teaching schedule
 - Gave demonstration lessons to promote the school
 - Organised regular assessments and discussed student progress with parents
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QUALIFICATIONS

PGCE Secondary English (with distinction)

Mid Somerset Consortium of Teacher Training (Sept 2013 – June 2014)

MA International Studies (with distinction)

Birmingham University (Oct 2007 – June 2008)

BA English Language and Literature (first class honours)

University of Leeds (1996)

A-Levels: Maths (Grade A), Physics (A), English (A)

Churchill Comprehensive School (1993)