

# Tom Ruttle

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Technologist with particular interests in APIs, micro-services and containers. Certified Scrum Master. Mostly working with Node.js.

## Technologies

### Javascript

- ES2015+
- Node.js
- React
- Redux
- Flow
- Express
- Mocha

### Tooling

- Webpack
- Babel
- Eslint

### Infrastructure

- Docker
- MongoDB
- Jenkins
- Git

### Concepts

- Isomorphic JS
- Microservices
- Continuous Delivery
- XP

## Experience

2017– **Senior Software Engineer**, *Tes*, Remote.  
Stuff

2015–2017 **Software Engineer**, *Tes*, London.

2012–2015 **Developer**, *BMJ*, London.

Lead developer for BMJ Quality and BMJ Job Reviews API.

- Designed and wrote the bulk of a Node.js Hypermedia API supporting an Angular.js front-end. Product was first-to-market due to our choices of technology and agile methodology.
- Oversaw and managed the major refactoring of a large Drupal application: monolithic codebase was broken down into loosely-coupled modules.
- Investigated, prototyped, advocated, documented, and implemented a variety of DevOps tools. Now exclusively using Docker clusters for development work, have built tools for other developers, and am involved in the development of Puppet modules for Docker orchestration.
- "Voice of technology" on a steering committee. I have been assessing the requirements of customers (business team, end-users, and partners) and breaking them down into services.
- Current project is an XML document transformation/validation suite built in a functional reactive style in Node.js. It utilises the Seneca.js micro-services framework and has 99% Mocha test coverage.

2010–2012 **Drupal Product Consultant**, *Firmstep*, Cambridge.

Delivering highly customised Drupal 7 websites to customers in the public sector as part of an agile team.

- Devised and ran product training for groups of between two and twelve and all levels of IT experience.
- Wrote documentation for both internal and customer use
- Liaised between project management, customers, and developers

2005–2010 **Intern**, *Firmstep*, Cambridge.

Built e-forms for customers in the public sector; acted as consultant to customers for company products; tested new releases of company products; some first-line support

## Education

2006–2010 **Master of Physics (MPHYS) in Physics with Philosophy**,  
*University of York*, 2:1.

2003–2005 **A-Levels in Computing, Maths, Economics, Physics**,  
*Hills Road Sixth Form College*, Cambridge, A, B, B, B.

## Extra-Curricular

Travel Nomadic since January 2016

Skydiving   Participated in 42-way formations in Summer 2014.  
Have competed in 4-way Nationals competitions from 2010-2014.  
Won silver medal in national 8-way skydiving championships, Rookie class, 2011.  
University Colours awarded for service to University of York Skydiving Club. Positions held: Member (2006–2008); Social Secretary (2008–2009); Treasurer (2009–2010).