Alexander Matthew Bunting

Angular/NodeJS Developer

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I have spent the last 14 years as a Physics teacher in the UK, Vietnam and Qatar, but throughout this and before I have always continued to pursue web development. Whether as a hobby, as a part of my degree (which was ⅓ computer science) or in my teaching career I have always utilised web development to improve what I do. I am now pursuing web development professionally, and although I am looking for a remote position I am happy and willing to travel when necessary.

Skills

Front End	I work primarily within the **Angular** (including **RxJS**) framework but have significant **PHP** experience.
Languages	HTML5, CSS, SCSS, PHP, Javascript
Databases	Mosty working with **MySQL** but also experience with Firebase/MongoDB/GraphQL.
NodeJS	NodeJS/Express is used for more complex backends, including REST APIs. I have also written PHP backends.
Other	GIT, jQuery, **Tailwind**, Websockets, Sequelize

Education

2011-2012	University of Cambridge	**MEd** (Master of Education) Science Teachers Researchers and Practitioners
2004-2009	University of Edinburgh	**BSc Hons** Physics with Honours in **Computational Physics** Awarded Second Class : Upper Division (2:1)

Major Projects

Please see my personal website for more detail on the projects listed, Github links and other projects:
https://www.alexbunting.co.uk/

SmartSort	SmartSort (https://smartsort.org/) is an SaaS application designed to organise students according to their own learning preferences. It includes a forms utility to accept data, and a dashboard designed to help educators quickly and easily organise large groups of people. Written in the Angular Framework with a NodeJS API and MySQL database. Used to place over 99% of 800 students in their 1st choice course, and over 95% in both their 1st and 2nd choice.
Quizzical	A company set up by myself and two other educators, Quizzical is an academic question writing company. My role is to build and manage a website which serves as an interface for the question writers, and build flexible tournaments

(exported to google docs) quickly to make the running of tournaments simple.

ReportZone	ReportsZone (http://reportzone.sweeto.co.uk/) is a SaaS application designed to help teachers generate personalised student reports quickly, with a minimum of data input. Written in the Angular Framework with a Firebase backend.
WordleLeagues	WordleLeague (https://wordleleague.sweeto.co.uk/) is the place for friends to create their own Wordle league and keep up to date with each other's scores. Written in the Angular Framework with a NodeJS and MongoDB backend..
!This>#Phys	!This>#Phys (https://physics.sweeto.co.uk/) was designed for students to do basic experiments on more lifelike simulations than are freely available. This is also a test site for other smaller projects. Written in the Angular Framework.
Apollo	Currently undergoing a full revamp, Apollo (https://apollo.sweeto.co.uk/) is a teaching aid aiming to move the emphasis in the classroom from the teacher to the student. Written in PHP with a MySQL database.

Relevant Professional Experience

2023 - present	Freelance Web Developer role. During this time I had two major projects that I was employed for. The first was to develop a smart system (SmartSort) to schedule PE classes by student preference, and the second was a startup company developing academic games tournaments for the international school sector. Both were highly successful, with SmartSort reducing organisation time from weeks to an hour and the Quizzical tournament builder creating 30 game tournaments in seconds.
2020 - 2024	Udemy courses in Javascript, the Angular Framework, NodeJS, CSS/SASS and Web Design.
2018 - 2023	Taught at the **American School of Doha**. During this time I developed the **!This>#Phys** website, **WordleLeagues** and the **ReportsZone** SaaS. I was a **grade level lead** (2019-2022) and academic games coach (2022-2023) during this time.
2014 - 2018	Taught at **Saigon South International School** in Vietnam. During this time I developed the **Apollo** app and a 'Harry Potter Style' house point system which could be voice or QR code controlled. I was a **department head** (2016-2018) and **grade level lead** (2015-2018) during this time, as well as responsible for **running three international trips** (2014-2017).
2010 - 2014	Taught at **Linton Village College**. During this time I was responsible for maintaining the school's VLE, and developed and used several PHP apps. I was also school governor.
2010 - 2023	Whilst teaching I have developed many skills transferable into a web development environment the most significant of which are: - Problem solving skills, adaptability and innovation. Teaching requires a broad range of skills to help students of different levels succeed, and being able to adapt and innovate have been key to my success. - Being able to organise myself and meet deadlines. This was important not only for regular classes and long term school based goals, but also personal goals such as professional development.

About Me

Born in the UK and a native English speaker, I enjoy the outdoors and gaming, however travelling with my wife and two kids is what I enjoy most. I am an easy going person who enjoys working in teams and learning from and with others.