



JOB DESCRIPTION

Job title	Brompton Electric – Embedded Software Engineer
Department	Brompton Electric
Responsible to	Brompton Electric – Project Engineer
Salary	Competitive
Hours	40 hours per week

About the Company

Our mission is to transform the way people live in cities. With over 16 million possible combinations of gears, colours, handlebars and accessories, we make more than just a bicycle, and we are more than just a bicycle company.

We continue to make the Brompton in West London, where we started in 1975, but our product has travelled far - we now export 80% of our bicycles to 44 countries. In the past 36 months we have invested in a new purpose-built production facility, transformed our digital architecture, opened new flagship stores and had our biggest product launch in company history and we're not stopping there...

To change urban living, we need passionate, innovative and talented people that want to challenge the status quo and make an impact.

The role

Brompton has an ambitious target for growth over the next 5 years in which the Brompton Electric is a major part.

This role will be pivotal in the improvement of existing software designs to upgrade the current Brompton Electric, followed by the designing and implementation of future generations of software solutions both on and off the bike.

Main duties

- **To support and improve existing software designs for the Brompton Electric**
- To develop, prototype and test future Brompton Electric software developments
- To work with electrical team to ensure optimal integration into bike
- Provide software support for test fixtures
- To help improve software design practices and processes within the business

Skills and Requirements

- Experienced engineer with strong background in embedded software applications
- Experience using TI, ATMEL and or Silicon Labs processors and IDE's
- Experience of firmware algorithm development and BLE
- Appreciation of embedded electronics and FreeRTOS
- Preferable experience with electric motors/inverter drives

- Experience with Windows based test tools
- Confidence in general software fault finding and testing
- Preferable experience of a full product lifecycle
- A hands-on practical approach.
- Ability to work in a team or alone and unsupervised as needed.
- Good understanding of engineering principals and good numeracy and arithmetic skills.
- Ability/willingness to cycle a bonus
- Excellent written & verbal communication skills.
- Punctuality and reliability are essential.
- Highly computer literate.
- An awareness of Health and Safety law and best practice.
- Right to Work in the UK.
- Some occasional international travel may be required

Education

- Ideally the individual will have the following educational and professional qualifications or experience:
- Degree education in related subjects (software/firmware engineering).
- The ability to demonstrate a solid engineering/technical background in a relevant environment.
- The ability to demonstrate hands on experience in a similar role.
- The successful candidate will have at least 5 years' experience in a relevant role.
- Experience of more than 3 years' will be considered if the experience is directly applicable to this role.

Benefits

Brompton offers you a very excellent working environment with enthusiastic colleagues who get along very well, communicate and cooperate with each other. The working climate is informal, but we work hard. Next to good terms of employment Brompton offers you the opportunity to work in a responsible and challenging job within a dynamic, international and ambitious environment. We are all proud to be part of Brompton Bicycle; we all share the same passion and dedication to the company and embrace differences in cultural backgrounds and skills.

- Huge discount on your very own Brompton (family and friends get discount too)
- Position to thrive. Whether you're early in your career or an experienced professional, Brompton provides you with everything you need to excel in your job and for personal growth. You will be actively encouraged to increase your skillset and to attend relevant events
- 20 days holiday plus Bank Holidays, increasing the longer you stay with us
- Workplace Pension Scheme, Season Ticket Loan, Flexible Working, Cycle to Work Scheme to name just a few...
- Birthday Breakfast, Family Fun Days, Christmas Parties, London to Brighton Bike Rides, Charity Raffles, Volunteering with the local community all go towards creating a working environment that is fun and enriching

If you feel that you fit within the Brompton team spirit and you can bring talent, innovation and enthusiasm to our workforce then please email your CV and covering letter to the People team, at recruitment@brompton.co.uk

Applicants must have the right to work in the United Kingdom.

The Company reserves the right to vary or amend the duties and responsibilities of the post holder at any time according to the needs of the Company's business.

The statements contained in this job description reflect general details as necessary to describe the principal functions of this job, the level of knowledge and skill typically required and the scope of responsibility. It should not be considered an all-inclusive listing of work

requirements. Individuals may perform other duties as assigned, including work in other functional areas to cover absences of relief, to equalize peak work periods or otherwise to balance the workload.