



## JOB DESCRIPTION

Job title	Embedded Software Engineer
Department	Electric Systems
Responsible to	David Rhys
Salary	£Competitive
Hours	40 hours a week

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### About the Company:

Brompton holds a vision of transforming how people live and get around in cities. The Brompton is made for cities and made for you. It was conceived as a product that increases people's sense of independence and freedom, and this concept is still at the heart of everything we do. The Brompton is acknowledged worldwide as the finest bike of its type and this excellence, combined with resurgence in cycling for transport means we are enjoying strong company growth. If we are to continue to thrive we need to recruit great people who can further drive sales.

We are proud of our bikes and enjoy using them. We export 80% of our production to 44 countries around the globe and intend to produce over 47,000 bikes this year but believe that we're just getting started.

Brompton Bicycle manufactures in its new factory in West London a bike that is generally considered the best portable bike there is. The company is privately-owned, successful and profitable, and we have good relationships with our distributors and users.

If you have huge enthusiasm, thrive on being given responsibility and want to make great products that make a difference to people's lives, we can offer you a job you will not find anywhere else.

### The Role

A new embedded software engineering role for the Electric Systems team has opened. This has come about as the scope of the software activities in the team is broad, and now comprises the following:

- Implementation and maintenance of code for multiple microprocessors
- Software verification testing
- Software Test management
- Requirements management
- Software Documentation – systems, architectural and detailed design
- Tool development

Similar activities will be associated with development of future versions of the product.

### The Person

The successful candidate will be great at problem solving in a timely and thorough manner.

The person occupying this role will be able to establish and build relationships with others by listening carefully to what they have to say and respond effectively and take necessary action.

This role is calling for a person who has the drive to come up with solutions satisfy practical requirements. The individual will enjoy working in areas which require attention to detail and maintaining quality and standards.

## 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

- 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.
- Excellent written & verbal communication skills.
- Punctuality and reliability are essential.
- Highly computer literate.
- An awareness of Health and Safety law and best practice.
- Some occasional international travel may be required

## Education and Experience

- Qualified to BSc or MSc level in Computer Science or similar discipline with strong software development component
- Demonstrable experience in embedded development, especially C (C++ also relevant)
- Final year project including development on an embedded platform
- Experience with electrical motor control
- Understands source control management tools (e.g. Git, SVN, etc.)
- 2 Years+ industrial/commercial software development experience
- Willing to interact with internal and external customers
- Ability to cycle

## Job Profile

Brompton utilises Personal Profile Analysis and Psychometric Assessments during the recruitment process to identify the behavior requirements and working styles of our job functions. Below outlines the 4 basic characteristics generally displayed in the working environment. This job profile will allow all candidates to decide if they fit the profile for the role.

### Steadiness (High S)

- Patience, self-organisation and sincerity are key to the role
- Demonstrating empathy, sincere listening skills and an accommodating approach when helping others with personal work-related problems are important traits.
- Consistency and persistence are critical to the role

### Compliance (High C)

- A thorough, disciplined and detailed working style is vital for this role
- The logical and detailed analysis of data and processes is a key component of this role
- Able to comply with clearly defined rules and regulations.
- A cautious and detailed approach towards task completion is needed for this role

### Dominance (High D)

- A degree of strategic expertise and commercial vision forms a part of this job function
- The person will be able to handle objections with confidence.
- Problem solving capabilities will often be demanded of in this position.
- Experience and skills in dealing with strong characters will be advantageous for this role
- Achievement of objectives is vital for this role.

Influence (Low I)

- Being analytical, sceptical and even objectively aloof will be needed in this role
- A communication and presentation style based on hard data and careful analysis will be preferred in this role

### **How to Apply**

Please email your CV and covering letter to the People team, at [recruitment@brompton.co.uk](mailto:recruitment@brompton.co.uk). In the subject, please specify the role you are applying for. You are encouraged to submit when ready and not wait until the deadline. Please specify your salary expectations.

***You should be advised that any applications submitted without a covering letter and CV will not be considered for the role.***

**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.