JOB DESCRIPTION

JOB TITLE	Performance Analyst / Biomechanist (British Gymnastics)

SALARY	£34,431
GRADE	FS Step 1
HOURS	37 hours (part-time / split-role considered) May include working outside normal office hours at evenings, weekends and on Public Holidays.
LOCATION	Lilleshall National Sports Centre, Lilleshall, UK

ROLE SUMMARY

The UKSI and British Gymnastics have an exciting opportunity for a full time, Performance Analyst/Biomechanist. The role will be based at Lilleshall National Sports Centre but will also include domestic/overseas travel.

This role will work collaboratively with Coaches, Athletes, and the Performance Support Team to deliver in the development, implementation, and evaluation of Performance Analysis and Biomechanics services in British Gymnastics aimed to provide accurate and reliable supporting performance data insights and subsequently positively impact performance.

Over recent years, Gymnastics has seen increased Olympic and international level success, along with significant challenges. British Gymnastics is committed to developing, embedding, and driving a gymnast centred, world class culture at all levels - where gymnasts welfare and positive experiences of the sport are paramount. With driven, passionate, and committed Performance Support Team members, British Gymnastics is confident we can be successful in LA and beyond, and that we will achieve this with a culture that embodies excellence in performance whilst prioritising, developing, and caring for the individuals behind the performance.

To play a key role in achieving our ambitions, British Gymnastics are looking for an experienced Performance Analyst/Biomechanist to contribute to the ongoing success of gymnastics at World and Olympic level through the delivery of targeted projects.

As a Performance Analyst/Biomechanist, you will collaborate closely with the Head of Performance Support, align with additional PA/Biomechanist practitioner, contractor(s) and the British Gymnastics performance teams to drive targeted projects that improve performance through developing, implementing and pioneering world leading performance analysis & biomechanics services. This position will support strategies to optimise men's artistic gymnastics (MAG), women's artistic gymnastics (WAG) and trampoline gymnasts (TRA) performance.

To be successful in this role, you must be a highly motivated individual with a passion for Performance Analysis/Biomechanics. You should have a strong interest in technology, a commitment to personal development, and the ability to work collaboratively as part of a high-performing team.

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KEY RESPONSIBILITIES

- Work with British Gymnastics and the UKSI technical interface to develop and implement world leading hybrid performance analysis and biomechanics services to all Olympic programmes

- Delivering "front-line" performance analysis support for domestic and international competitions and training, including video/data capture, preparation, analysis, and reporting

- Consistent use of accurate and reliable data and produce effective and compelling analytical insights to enhance the coaching process and subsequently impact performance

- Planning, development and delivery of bespoke biomechanics services across British Gymnastics disciplines

- Align to the WCP data strategy within the performance support team

- Support the alignment of performance analysis and biomechanics practitioners delivery within the performance support team

- Support performance intervention projects through working collaboratively with UKSI core teams, and with external partners and/or UK Sport

ROLE DIMENSIONS

REPORTS TO	Head of Performance Support
DIRECT REPORTS	N/A
BUDGET ACCOUNTABIITY	N/A

KEY RELATIONSHIPS

- British Gymnastics Performance Director British Gymnastics Head National Coaches
- Head of Performance Support
- British Gymnastics Performance Staff

- British Gymnastics National Coaches
- British Gymnastics Performance Support Team members
- UKSI Technical Lead(s)
- UKSI Performance Analysis/Biomechanics & Data Community network

PERSON SPECIFICATION

COMPETENCY AREA	ESSENTIAL / DESIRABLE	ASSESSED BY
Qualifications		
Degree (or equivalent) in sports science, or data science or related subject, specialising in performance analysis and/or biomechanics	Essential	Sight of certificates
Higher degree (or equivalent) specialising in Performance Analysis and/or Biomechanics	Desirable	Sight of certificate

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COMPETENCY AREA	ESSENTIAL / DESIRABLE	ASSESSED BY
BASES accreditation or International Society of Performance Analysis of Sport (ISPAS) Level 3 or equivalent with evidence of experience and practice in Performance Analysis and/or Biomechanics	Desirable	Sight of certificate
Experience		
Experience of providing Performance Analysis and/or Biomechanics services within a Performance Support Team to support coaches and gymnasts. This should include the development, implementation, and evaluation of both services	Essential	Application / Interview
Experience of providing Performance Analysis support at domestic or international competitions or preparation camps at senior or junior level (e.g., Olympic/Paralympic Games, World/European Championships, Commonwealth Games, or equivalent)	Essential	Application / Interview
Experience of handling competition and training data (including video) throughout the data life cycle from capture, structure, and preparation, through to appropriate analyses and visualisation to answer performance questions subsequently have impact	Essential	Application / Interview
Experience capturing, processing and analysing 3D motion data using optical or IMU based systems and 3D force and/or pressure data	Essential	Application / Interview
Experience in supporting and delivering analysis projects in collaboration with internal and/or external partners	Desirable	Application / Interview
Experience of supervising, mentoring, and/or coaching of colleagues and team members	Desirable	Application / Interview
Knowledge and Skills		
An understanding of the needs of athletes and coaches in high-performance environments and a good understanding of the coaching process in theory and in practice	Essential	Interview
Ability to foster productive relationships with coaches, athletes, and performance support team members	Essential	Interview
Ability to problem solve, troubleshoot, and make effective decisions under pressure	Essential	Interview
An understanding of how data & insights can be effectively integrated into high-performance programmes and an ability to effectively communicate complex data to variety of audiences	Essential	Application / Interview
Expert knowledge of data & video analysis systems and software packages and their applications (e.g. Tableau, Dartfish, Quintic)	Essential	Application / Interview
Demonstrated ability of using first principles, phase analysis and deterministic modelling to analyse sports in relation to their biomechanical needs.	Essential	Application / Interview

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COMPETENCY AREA	ESSENTIAL / DESIRABLE	ASSESSED BY
An understanding of performance requirements & biomechanical principles relevant to gymnastics.	Desirable	Application / Interview
Experience of applying biofeedback methods to retrain movement strategies	Desirable	Interview
Experience using biomechanical software such as Visual 3D and OpenSim and/or bespoke analysis processes (e.g. Python scripts)	Desirable	Application / Interview
Proficient skills in Python	Desirable	Application / Interview
Other		
Ability to work irregular and unsocial hours as required involving working outside normal office hours (evenings, weekends, bank holidays)	Essential	Interview
Ability to travel both nationally and internationally when required	Essential	Interview
May be required to work with athletes under 18 (Enhanced DBS check required)	Yes	

All UKSI practitioners are expected to engage with and support training and professional development in anti-doping, i.e., Introduction to Clean Sport, safeguarding and GDPR. Practitioners are also expected to adhere to all UKSI policies and procedures and show commitment to promoting and supporting equality, diversity, and safeguarding within sport.

END OF JOB DESCRIPTION