

Job Description

JOB TITLE:	Algorithm Engineer
REGULATORY CONTROLLED FUNCTIONS:	[]
DEPARTMENT:	TBC
JOB HOLDER:	
REPORTS TO:	Principal Algorithm Engineer

Purpose of the Job:

Do you think “Innovation” should be more than just a buzzword?

Are you excited about disrupting the most traditional financial service market, one that hasn’t changed materially in the last 100 years, bringing it truly into the 21st century?

The ‘Innovation Team’ is a unique and newly setup function within the Brit Insurance Group, focused on delivering 5-10 year horizon exploratory ideas and new business models. The team will identify and experiment with new opportunities to enhance, enable and create our business of tomorrow. The role will be focused on exploring new products, technologies, customers, geographies and markets. We don’t work the way it’s always been done; we’re proactive rather than reactive.

The team will be primarily focused on the development and refinement of the Ki platform, a newly formed digital, follow-only, algorithmically driven syndicate. Your role will be to engineer a machine learning enabled algorithm that scales with our ambitions, utilising internal and external data sources and pushing the boundaries of how to apply technology within the Lloyds of London market.

The role will report to the Principal Algorithm Engineer to deliver the business’ innovation ambitions and allow Ki to build, deploy and run Lloyds’ first algorithmic syndicate.

Principal Accountabilities:

- Work with the Portfolio Management actuaries and data scientists to maintain and develop a production grade algorithm for Ki.
- Work with the Portfolio Management actuaries and data scientists to research and develop cutting edge techniques and understand how they can be embedded into the core Ki algorithm.
- Drive the integration of the Ki algorithm into the other core components of the platform.
- Design, build, test and maintain infrastructure and deployment processes which integrate modern DataOps/MLOps principles and actuarial governance.
- Continually assess the current software design of the Ki algorithm and identify opportunities for growth, scale and improvement.

Regulatory Conduct and Rules:

- 1. Act with integrity
- 2. Act with due skill, care and diligence
- 3. Be open and co-operative with Lloyd’s, the FCA, the PRA, and other regulators
- 4. Pay due regard to the interests of customers and treat them fairly
- 5. Observe proper standards of market conduct

Education, Qualifications, Knowledge, Skills and Experience:

- Bachelor's Degree or higher in a STEM field. PhD in a STEM field is a plus
- Experience in the same or related role
- Experience developing industrialised machine learning applications and services
- Experience in object-oriented software design and programming in Python
- Understanding of Machine Learning approaches and algorithms
- Experience working in regulated industry, especially financial services and insurance would be a plus
- Direct experience with at least one cloud provider required – GCP/Azure a plus
- Experience with CI/CD tools such as GitHub Actions, Circle CI, Jenkins, Tekton is a plus
- Experience with project management and workflow tools (e.g. Jira, Azure DevOps)

The applicant must also demonstrate the following skills and abilities:

- Excellent communication skills (both oral and written)
- Pro-active, self-motivated and able to use own initiative
- Exceptional interpersonal skills, including teamwork, facilitation, negotiation and planning
- Excellent analytical and technical skills

As a term of your employment you may be required to undertake such other duties as may reasonably be required of you in the post and department mentioned above.

Signed by the Employee:

Employee Name: Date: