

## **AHL – Senior Research Platform Developer**

Man is a leading alternative investment management business with a diverse offering in hedge funds and long-only products across equity, credit, managed futures, convertibles, emerging markets, global macro and multi-manager solutions. Man Group has roughly \$80 billion in AUM.

The original business was founded in 1783. Today, Man is listed on the London Stock Exchange and is a member of the FTSE 250 Index with a market capitalisation of around £2.0 billion. Man also supports many awards, charities and initiatives around the world, including sponsoring the Man Booker literary prizes.

Further information can be found at [www.man.com](http://www.man.com).

### **Overview**

AHL's Research Technology Group is responsible for the design and development of software components for AHL, ranging from data access routines to high-performance cluster API, numerical algorithms and trading model development. It also covers the integration of research code into the AHL trading platform and the support of AHL researchers and other teams in their daily tasks of software and algorithm development, computing infrastructure etc. The role provides an outstanding opportunity to gain insight into algorithmic trading at all stages of the process.

Research and innovation have been central to AHL's impressive 20-year track record, and innovative technology solutions are key to both the generation and delivery of new research and systematic trading ideas. This role will require collaboration with quantitative researchers and technologists both at the Headquarter AHL office in London and in Oxford at the Oxford Man Institute.

### **Requirements: Technology and Business Skills**

#### **Essential**

- Exceptional technology skills
- Expert knowledge in one or more relevant programming languages and related frameworks, preferably Python, Java and C/C++
- A proponent of strong software engineering techniques and agile methods: continuous integration, code review, unit testing, refactoring and related approaches
- The ability to design and deliver systems which exceed end user expectations
- An advanced level of relevant mathematical knowledge e.g. statistics, time-series analysis, asset pricing theory, optimisation algorithms.
- An excellent understanding of and keen interest in financial markets, instruments and trends.

- The ability to apply relevant mathematical, technical and financial knowledge in a research-led environment.
- Proficient working on Linux and Windows platforms; working knowledge of various scripting languages.

### **Advantageous**

- Experience of distributed, concurrent processing server-side development, and event driven, asynchronous architectures with messaging/market data processing
- A strong working knowledge of C/C++, and/or and related frameworks.
- Strong knowledge of relational data modelling, database technologies - particularly Oracle and tick-level databases such as OneTick.
- Experience of distributed, concurrent processing server-side development, and event driven, asynchronous architectures with messaging/market data processing
- Personal Attributes and Management Skills

### **Personal Attributes**

- Significant post graduate experience in software development, preferably in finance.
- Strong academic record and a degree in a subject with good mathematical content and computing exposure or Computer Science, Maths, Engineering or Physics from a leading university.
- Intellectually robust with a keenly analytic approach
- Able to establish and maintain a close working relationship with research academics, traders and senior business people alike
- Confident communicator; able to argue a point concisely and deal positively with conflicting views
- The ability to deliver solutions from high level user requirements and to tight timescales, whilst maintaining technological best practice