



## **Experienced Software Development Manager**

### **(Data Processing Team)**

#### **The Company**

At G-Research we research investment strategies to predict returns in financial markets across multiple asset classes. We also develop the research and execution platform to deploy these ideas in markets globally.

Our investment strategies, software and IT Systems are used to:

- Evaluate, forecast and simulate investment ideas
- Test for and control risk in investment portfolios
- Maximise investment returns across a range of markets and products

Our software and services are used in markets around the globe and around the clock.

We offer a dynamic, flexible and highly stimulating working environment, where good ideas are prized and rewarded correspondingly

#### **The Role**

The Data Development Group (DDG) is responsible for central data architecture and for understanding, processing and organising large research datasets and historic tick data, as well as being responsible for live market data feed processing and distribution. As a group, DDG have an intimate relationship with key areas of the business and have detailed exposure to the industry.

The Data Processing Team within this group is responsible for the content, acquisition, decoding and presentation of the entire suite of data as well as live dissemination of this data to clients through a high performance low latency enterprise system. They are responsible for the development of statistics and aggregations on this data and the provision of this information for internal clients. The platform is a mixture of C++ and C# and the ideal candidate will have experience of both these languages. The team is looking for an experienced development manager/technical architect who can provide technical vision to develop the platform as well as offer leadership and co-ordination to the team. The platform is being redesigned to cope with the increased data demands of the business and the candidate will be expected to bring significant experience to bear in moulding the new platform whilst supporting the existing business requirements. The company is looking to build a scalable and performant data platform that will serve it well for many years to come. This is an exciting and challenging position that is of great importance to the organisation.

The key responsibilities of the role are:

- Designing and implementing efficient data management strategies and systems.
- Making fundamental and strategic contributions to the existing and future data architecture and systems.
- Understanding the content of various market and reference data sets and designing and developing appropriate architecture to interpret this content.
- Maintaining and enhancing existing data processing tools responsible for regular handling of many significant data feeds.
- Designing, architecting and implementing high quality enterprise level software to work with large data sets.
- Working across the full project lifecycle, from initial requirements gathering through to release.
- Some hands on development in C++/C# where required

- Advancing the existing architecture and improving its performance and telemetry.
- Getting quickly up to speed with our systems and ever-changing business requirements.
- Managing your team of developers (10-15 staff split across several sub-teams) and assisting them with day to day issues. This includes helping to recruit and train new team members.
- Running and co-ordinating projects across the team.
- Liaising with client research and operations teams across the company

## The Individual

The candidate must be a strong, competent and practical senior software development manager/architect with a proven ability to manage teams that develop and deliver high-quality software. We're looking for a person who is good at reasoning about complex distributed systems, understanding how best to store information relating to these systems and how best to represent it visually. It is expected that there will be some hands-on coding, particularly for prototyping or proof of concept work and for carrying out code reviews. The individual will therefore need to be able to complete a technical test and pass technical programming interviews.

Required skills and experience:

- Team management experience running high-calibre development teams
- 10+ years of commercial software development experience.
- Excellent OO programming skills, ideally in C# and C++.
- Experience in working in large scale data environments with a track record of delivering enterprise level solutions in this area.
- Proven ability to develop high-quality software.
- Proven in-depth knowledge of Relational Database Management Systems, combined with an appreciation of good software/systems architecture and core algorithms & data structures.
- Proven in-depth knowledge and understanding of Computer Science and Data Systems theory.
- Excellent academics – good A-level results combined with a 2.1 or better from a top tier university in computer science or similar.