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J.P. Morgan's Corporate & Investment Bank (CIB) is a global leader across banking, markets and investor services. The world's most important corporations, governments and institutions entrust us with their business in more than 100 countries. With $18 trillion of assets under custody and $393 billion in deposits, the Corporate & Investment Bank provides strategic advice, raises capital, manages risk and extends liquidity in markets around the world. J.P. Morgan's focus on being the world's most successful financial services institution starts with Technology - the driving force that gives us our leading edge. Ongoing investment in the firm's technological future means that by joining. J.P. Morgan, you'll have a front-row seat to product innovation, and work on complex solutions to the most difficult financial problems.

Athena is a next generation risk, pricing, and trade management platform created by JP Morgan's Investment Bank. Athena is designed to enable rapid innovation on the desk by offering Technologists, Quantitative Analysts and Risk Managers a consistent, cross-asset portfolio of models, frameworks and tools to use in building financial applications.

All the positions are located in our offices in Herzliya Pituah.

Please send your CV to HTC_Job@jpmorgan.com
**Senior C++ Developer**

The Athena Core team is looking for a senior developer in a team that has global, cross-business delivery. The emphasis is on technical excellence and business focus. Expanding the intersection of technology and finance, we combine talent and creativity to achieve success in the growing field of algorithmic trading, risk management and quantitative research. This requires someone who can think in terms of abstractions and data structures, such as how to represent, code, and maintain objects representing trades and reference data objects. To be competitive, we must design our systems to be flexible and agile.

**Qualification**

- Very strong development skills across multiple platforms
- Expert-level C++ / OOD skills, Python knowledge is advantage
- Have a desire to solve real world practical business problems
- High performance / low latency software – advantage
- Distributed systems, data processing, databases - advantage
- Be able to work independently in dynamic and flexible environment
- Have strong thinking out of the box and problem-solving skills
- Fluent English is a must
- BSc/MSc CS/CE/Math

**Data Developer**

The Athena Core team is looking for smart developer with strong computer science fundamentals and a track record of delivery, whether in previous professional roles, college or personal projects (for instance open source software contributions).

**Qualification**

- Very strong development skills across multiple platforms and languages.
- Our environment is written entirely in Python. Previous experience with Python is a plus, but not a requirement. In any event, the applicant will be expected to learn Python quickly.
- Prefer top-tier CS/math/engineering schools
- Experience of working in a development team, writing strategic code meant to last several years
- Analytical/problem-solving skills
- Excellent verbal and written communication skills, able to communicate accurately, concisely and effectively in a global organization (in English)
- The ability to work under pressure within agreed timelines and to support multiple tasks in parallel
- Think strategically, but also be pragmatic and delivery focused
- Strive in an environment that changes quickly
- Be focused delivering on long-term projects, while being responsive to short turnaround requests from the business
- Abilities in algorithms, math, or stats
- Strong motivation and ambitions to pass multi-interviews sessions with people from various departments and executive levels within the firm cal/problem-solving skills
**Core Java Developer**

The Strategic Payment Program team is looking for exceptional software engineers who want to make an impact. If you wish to evolve your career, you will get a chance to design and implement robust, scalable, high availability and high-performance Big Data system. As a Core Java Developer you will be accountable for the delivery of high quality software to build out a global data management framework for the Treasury Services business. This will be very a high capacity solution servicing the global business and across multiple regulators. The role will require a proven background in development, data management and SDLC. This will be a hands-on technical role.

Qualification
- Engineering Degree in a technical discipline or similar experience
- 3+ years of core Java development experience
- 1+ years in globally distributed teams
- 1+ years of relational database
- Experience with Kafka, Storm, Spring, GemFire/Hazelcast, Elastic, Spark, Hadoop, HDFS, Cassandra, Docker is a plus

**Athena Risk Framework Developer**

The Athena Core team is looking for experienced (5+ years) developers with a passion for delivering high-quality software in a challenging domain. The Athena risk framework has a diverse technology stack which involves dependency graph programming, low-latency services, massive batch calculations, optimization of distributed calculations, modelling and reporting API's. The diverse nature suits someone with a wide ranging tech skill set who is passionate about working on large-scale complex software, and working directly with key stake holders to ensure the framework helps to deliver key business objectives.

Qualification
- Large / complex ‘mission critical’ systems
- Distributed systems
- Database technologies
- Derivatives
- Real-time / low-latency systems
- Scalable reporting
- Risk and PnL calculation
- Cloud based services
**Equity Strategies Developer**

The Athena Core team is looking for an experienced junior developer to join the dynamic Athena team. The role offers an opportunity to develop new and enhance existing software components related to a desk-specific automated trading platform. There is also opportunity to learn about financial markets and various products that trade on them.

Qualification
- B.Sc. degree in Computer Science or Computer Engineering.
- 3+ Years of professional experience
- Experience working on automated trading systems and/or functional languages a big plus
- Programming languages: Python, C++ is a plus but not a hard requirement.

**Software Build Infrastructure Engineer**

The Athena Core team is looking for a talented Software Build Infrastructure Engineer to be responsible for developing, optimizing, automating and maintaining the tools and processes driving our development environment. The primary parts of this are revision control, continuous integration (CI) builds, testing, release build integration and release deployment. Responsibilities also include an issue tracker, software review tools and documentation infrastructure. Further responsibility includes the addition and upgrade of fundamental software libraries.

Qualification
- Experience with revision control systems, especially SVN, CVS and Git – setup and daily use
- Experience with scripting and compiled languages, especially Python, C++, C# and Linux shells
- Experience on both Windows and Linux
- Experience with one or more CI build tools, especially Buildbot, make, Scons, Jenkins – setup and daily use
- Problem solving and debugging skills
- A motivated self-starter, able to work with little guidance
- A demonstrated history of thinking strategically and seeing projects through to successful completion
**Developer Tools**

The Athena Core team is looking for a hands-on software engineer to work on designing and implementing tools that will improve productivity of hundreds of developers, and to drive best practices in the developer community. You will be working in a fast-paced environment in a variety of programming languages, as part of a team of highly skilled professionals passionate about their work.

**Qualification**

- Passion for best practices in software development.
- Passion for quality and testing backed by knowledge of related concepts and libraries.
- Solid experience coding in multiple languages. Python, C#, JavaScript and C++ preferred.
- Ideally at least 3 years of professional work experience or equivalent, e.g. open-source contributions.
- Knowledge of inner working of development tools highly desirable, e.g. refactoring, static analysis, code compilation and execution, deployment, test coverage tracing.
- Experience writing or extending IDEs and code editors highly desirable, e.g. Visual Studio, PyCharm, Eclipse, Sublime Text.
- Experience with internals of version control systems highly desirable, e.g. Git, SVN, CVS.
- Track record of improving your own or your team’s development experience whether that was part of your primary role or not.
- Ability to take loosely defined requirements from conversations with developers and turn them into features that improve every developer’s experience.
- Flexibility and eagerness to learn new concepts.

**Controls and Cyber Security Developer**

The Athena Core team is looking for a Controls and Cyber Security Developer to be responsible for the development and maintenance of our custom controls surface and cyber security. This role calls for strong development skills and someone interested in creating effective controls that enable developer productivity. The controls surface spans the software development life cycle (code development, commit, test, release), data access, entitlements, and more. Cyber security involves on-boarding to firmwide cyber security services and remediation of defects as they are discovered.

**Qualification**

- An understanding and passion for technology controls
- Experience with scripting and compiled languages, especially Python and C++
- Strong development skills
- Problem solving and debugging skills
- A motivated self-starter, able to work with little guidance
- A demonstrated history of thinking strategically and seeing projects through to successful completion
- Front-end/UX experience is a plus