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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 a senior 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
- 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

WEB Application Developer / Team Leader

The Athena Core team is looking for exceptional software engineers to work within a global team building a scalable web application framework to deliver high-class solutions to both internal and external users.

Qualification

- Develop low latency, fast processing and scalable infrastructures.
- Strong Python and/or JavaScript skills with experience in enterprise application development.
- (nice-to-have) C++ experience, but this is not essential.
- Have a desire to solve real world practical business problems.
- Have strong thinking out of the box and problem-solving skills.

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.

Core Java Developer / Team Leader

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

Core Java/UI Developer / Team Leader

The Strategic Payment Program team is focused on building the next generation payment platform for JPMC. We leverage cutting edge open source technologies to deliver a resilient and scalable distributed platform. We have ambitious plans for our global program spanning the next decade. We are looking for quality, hands on and passionate technologies that will thrive in our cutting edge and delivery focused environment.

Qualification

- JavaScript developer (Angular JS or similar) with extensive experience of hands on coding
- Java Developer experienced in integration with front end technologies
- Deep understanding of UI design patterns and building scalable front ends
- Experience working in continuous integration and delivery environment
- Member of enterprise application development team experience, team work and collaboration.
- TDD/BDD

Payment Fraud and Cyber Threat Developer

The Payment Fraud and Cyber Threat team is looking to hire a highly motivated developer as part of the core of the group's new Herzliya location. The successful candidate will be responsible for the architecture and development of the bank's fraud detection implementation, as well as authentication and authorization solutions across client banking channels.

Qualifications

- In depth knowledge of Java 8
- In depth knowledge of OO and SOLID design principles
- Excellent understanding of Spring IOC container
- Experience working on highly scalable & highly available systems
- Experience with messaging and event-driven applications
- Experience with SQL and NoSQL databases
- Expertise in testing and mocking frameworks (junit/mockito)

Payment Fraud and Cyber Threat DevOps / Configuration Management

Qualifications

- In depth knowledge of OO and SOLID design principles
- Broad experience with a variety of scripting languages and automation technologies
- Hands-on experience with continuous integration solutions (TeamCity/Jenkins)
- Strong Java programming skills, Spring, common web frameworks; and writes good quality tests
- Competency with SQL queries and stored procedures
- Regular user of source control (GIT/Subversion)
- (preferred) Hands-on experience developing on NICE Actimize (AIS/RCM)
- (preferred) Experience with public and private IaaS/PaaS cloud deployments, and Docker containers
- (preferred) Experience with performance and monitoring tools

Cyber Application Security Software Engineer

Corporate and Investment Banking is seeking a security software engineer to join a newly formed team. The team will be focused on enabling our software development community to develop secure applications more efficiently and effectively. Whilst providing and championing the patterns of secure application development, the team will also be expected to experiment with innovative mitigation techniques to help broader strategies against the changing threat landscape.

Qualification

- Experience in information technology software security engineering
- Detailed technical knowledge of techniques, standards and state-of-the art capabilities for authentication and authorization, cryptography, security vulnerabilities and remediation/mitigation strategies.
- Software development experience in one of the following core languages: Java, JavaScript and .NET.
- Strong knowledge of web related technologies (Web applications, Web Services and Service Oriented Architectures) and of network/web related protocols.
- Interest in all aspects of security research and development. Participates in professional organizations, seminars/user groups, and industry networking.
- Collaborate with internal teams and vendors to fix and improve products.
- Familiarity with various operating systems (Linux, Windows).
- Analytical mind with problem solving aptitude.
- Able to work well with virtual, globally dispersed teams.
- Solid verbal and written skills to communicate to developers and management.
- Expected to have gained certification, such as Certified Information System Security Professional (CISSP), Certified Information Privacy Professional (CIPP), Certified Cloud Security Professional (CCSP).