Role: Senior Python Engineer

Location: Hyderabad, IN

Amphora Software Pvt. Ltd. is the premier software solution provider for energy trading, logistics and risk management in the global crude oil, refined products and energy derivatives marketplace. Our team includes some of the most experienced software designers, developers and business analysts in the commodities industry today. Since our inception, our main goal has been to provide the trading community with the most robust, user-friendly, enterprise-wide software package available. We continue to launch new products that address customers' needs and adjust to dynamic market demands.

Roles and Responsibilities:

- The engineer will play a critical role in developing key components in the risk, stress, pricing and portfolio accounting functionality in Amphora's strategic commodity trading and risk management platform build.
- He/she will work under the direction of the Risk engineering lead and CTO to execute and deliver the product that will include short term technology and framework improvements as well as playing a role in Amphora's effort build its next generate industry differentiating risk and pricing product.
- The role will also work with rest of technology organisation to improve the SDLC rigor including automated testing, automated build and deployment, design and coding best practices.
- Be proactive in active engagement to resolve issues, collaborate with rest of the development organisation to deliver the technology strategy defined by CTO and the company strategy defined by CEO.

Experience and Expertise:

- Around 5+ years of hands-on experience in Python development and overall 10+ yrs in software engineering/development
- Strong experience in python frameworks like numba, numpy, pandas, xarray, Dask, Dask distributed, async IO in actual real-life projects.
- Good experience and knowledge in parallel ,distributed programming constructs/ concepts and development frameworks, stream processing , distributed work scheduling programming frameworks and tools.
- Hands on experience in designing and developing scalable risk and pricing platforms including VaR, , stress and risk simulation , pricing , valuation and PnL platforms using Python or other key languages (C/C++, Java)
- Good understanding in financial mathematics, statics will be an added advantage.
- Detailed knowledge and experience in design patterns spanning all layers of an application architecture (mid-tier, business logic layer, integration and data layer) .
- Good understanding of the CPython interpreter implementation, operating systems infrastructure is advantageous in resolving performance, concurrency issues.

- o Experience in using unit, component and integration testing with pytest scripting as part of development process, using continuous integration (Jenkins, Teamcity) and using build tools like setuptools and anaconda is must.
- o Ability to instrument code, monitor application execution, identify issues and solving them objectively and performance engineering are key needs.
- o Knowledge in SQL and NoSQL database architectures, writing performant SQL and MongoDB queries and understanding and appreciation of how databases work and utilizing efficient ORM technologies /or alternate efficient data access tools is very important.
- o Must be a strong team player and should be able to work with different locations in Asia, Europe and America.
- o Experience in working in agile delivery model and knowledge in Agile methodologies

Education

- Bachelors or master's degree in Computer Science , Maths or Engineering proficiencies from a reputed engineering or science university.