

## Job spec for Java Engineer position

### Roles and Responsibilities

- The engineer will be responsible in owning key design and development responsibilities in the current and future stack engineering of Amphora's core symphony platform/product suite, particularly back and service components of the architecture.
- The remit will include making the key designs and development of key components in the stack defined by the CTO.
- He she will work under the direction of the Company CTO and work very closely with him to execute and deliver the product that will include short term performance and stability engineering as well as playing a leading/key role in Amphora's effort build its next generate industry differentiating 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 a proactive leader 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 4-5 years of hands on experience in software design, software development and deployment.
- Strong knowledge of advanced topics like generics and abstraction, concurrency, multi-threading, race conditions, atomic/consistent/transactional processing, networking and inter-process communication and memory management.
- Strong hands-on expertise in Java 8 or later, including streaming and lambda functions. *Knowledge of Java 11 modularisation is a plus.*
- Strong hands-on experience in distributed systems including microservices, messaging, caching as well as horizontal and vertical scalability is a must. *Experience with Kafka, Apache ActiveMQ/RabbitMQ, Apache Ignite/Hazelcast/Redis is a plus.*
- Strong hands-on experience in RESTful services, Web streaming and sockets, Spring and Spring Boot, JPA with Hibernate or other ORM tool is a must. *Experience with containerisation/clustering solutions is a plus.*
- Recent experience in holding an engineer role in technology product organisation is beneficial.
- Detailed knowledge and experience in design patterns spanning all layers of an application architecture (mid-tier, business logic layer, integration and data layer). *Strong knowledge of GoF design patterns and/or most used enterprise integration patterns is a plus.*
- Very good experience in designing business logic and execution engines, life-cycle management platforms with knowledge in rule/logic externalisation and domain specific languages (DSL).
- Experience in using unit (JUnit), component and integration testing including test/behaviour-driven development as part of development process, using continuous

integration (Jenkins, Teamcity) and using build tools like Maven, Gradle is important. *Experience with tools like Cucumber / Gherkin / REStEasy / Gatling / Postman is a plus.*

- Ability to instrument code, monitor application execution, identify issues and solving them objectively and performance engineering are key needs.
- Knowledge in database architectures, writing performant SQL and understanding and appreciation of how databases work and utilizing efficient ORM technologies/or alternate efficient data access tools is very important. *Experience with no-SQL databases and/or caching solutions is a plus.*
- Must be a strong team player and should be able to work with different locations in Asia, Europe and America.
- Experience in working in agile delivery model and knowledge in Agile methodologies.
- Bachelors or master's degree in computer science or engineering proficiencies from a reputed engineering or science university.