

# Ali Khan

## JAVA DEVELOPER

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## Summary

Java Backend Developer with one year of experience in designing and implementing scalable applications using microservices architecture. Proficient in Java and Spring Boot for backend development, with hands-on experience in containerization with Docker and orchestration with Kubernetes. Experienced with RabbitMQ for service communication, dedicated to building efficient and robust Java-based solutions to meet evolving business needs.

## Projects

### VenueHub – [Github](#) – [venuehub.com](https://venuehub.com)

- Orchestrated event-driven architecture using RabbitMQ, enhancing system responsiveness and scalability.
- Resolved code duplication issues through the implementation of shared libraries, ensuring maintainability and code consistency.
- Optimized user experience by using Redis for caching, reducing the latency by 300 ms for all services
- Addressed venue booking challenges by implementing Quartz Job Scheduling, optimizing scheduling processes and enhancing user experience.

### JLox – Java Interpreter (In Progress) – [Github](#)

- Developing an interpreter for the Lox programming language, based on the book *Crafting Interpreters* by Robert Nystrom.
- Implemented a scanner that tokenizes the input source code.
- Parsed Abstract Syntax Tree (AST) for handling expressions.
- Gained experience in lexical analysis, parsing, and abstract syntax tree generation.

## Skills

Java - SpringBoot - Microservices - Event-Driven Architecture - Docker and Kubernetes - Hibernate JPA - SQL - Junit - JMeter - OAuth 2.0 - RabbitMQ

## Education

Virtual University of Pakistan 2024 - Present

Bachelor of Science in Software Engineering