



Job Title: Solution Architect

Location: Indore

Experience: 8+ years

Notice Period: 0-15 days (immediate joiners preferred)

Mode of Work: Work From Office

Job Type: Full-time

Job Summary:

Advantal Technologies is looking for an experienced and skilled **Solution Architect** with **8+ years** of expertise in designing, architecting, and delivering large-scale, high-traffic systems using technologies like **Java, Angular/React, MySQL, MongoDB**, and cloud-based platforms. As a Solution Architect, you will play a pivotal role in driving the architecture and technology strategy for scalable, high-performance applications, ensuring they are optimized for huge traffic volumes, security, and reliability.

Key Responsibilities:

- **Architecture Design & Solutioning:**
 - Lead the design and architecture of large-scale systems and enterprise-level applications built on Java, Angular/React, MySQL, and MongoDB.
 - Ensure that solutions are highly scalable, fault-tolerant, and capable of handling high-volume traffic (millions of requests).
 - Design microservices-based architectures and ensure integration with both traditional relational databases (MySQL) and NoSQL databases (MongoDB) for high-performance data management.
 - Design APIs (RESTful, GraphQL) for smooth communication between front-end (Angular/React) and back-end systems, ensuring minimal latency and optimized throughput.
- **High-Traffic and Scalability:**
 - Architect solutions to handle millions of concurrent users while ensuring consistent performance, high availability, and resilience.
 - Develop strategies for managing large-scale data across distributed databases (MySQL and MongoDB) with optimized queries and indexing for high performance.
 - Oversee the implementation of auto-scaling, load balancing, and caching mechanisms to ensure smooth scaling under varying traffic conditions.
 - Collaborate with the infrastructure team to design and implement cloud-based solutions on AWS, Azure, or Google Cloud Platform for optimal scalability and reliability.
- **End-to-End Technical Leadership:**
 - Act as the technical leader, guiding and mentoring development teams on best practices, design patterns, and effective use of technologies such as Java, Angular/React, MySQL, MongoDB, and cloud services.
 - Evaluate and select technology stacks and frameworks (e.g., Spring Boot for Java, Angular/React for frontend, MySQL/MongoDB for backend data storage).

- Ensure adherence to coding standards, security protocols, and performance optimization techniques in solution delivery.
- **Stakeholder Collaboration:**
 - Work closely with business analysts, product owners, and client stakeholders to understand the functional and non-functional requirements of the system.
 - Ensure alignment between the business objectives and technical solution design, focusing on performance, scalability, and user experience.
 - Provide regular updates and technical documentation to project managers and stakeholders regarding solution status, risks, and mitigation strategies.
- **Performance Optimization & Monitoring:**
 - Implement monitoring and logging systems to ensure that performance bottlenecks and failures are proactively identified and mitigated.
 - Optimize database performance (both MySQL and MongoDB) by fine-tuning queries, indexing strategies, and implementing data partitioning techniques.
 - Use tools like **Prometheus**, **Grafana**, or other monitoring solutions to ensure high-traffic applications run smoothly and efficiently.
- **Cloud, DevOps, and CI/CD Integration:**
 - Design solutions with cloud-native patterns and leverage cloud platforms (AWS, GCP, or Azure) to build scalable and cost-effective solutions.
 - Collaborate with DevOps teams to implement automated CI/CD pipelines for streamlined delivery and faster time to market.
 - Utilize containerization tools such as Docker and Kubernetes to deploy and manage applications in a microservices environment.
- **Security & Compliance:**
 - Ensure that all designed solutions adhere to industry security best practices, such as securing APIs, authentication, and authorization (OAuth, JWT, etc.).
 - Work with security teams to implement data encryption, secure communication channels, and vulnerability assessments to ensure compliance with industry regulations.

Required Skills & Experience:

- **Experience:**
 - 8+ years of experience in **Solution Architecture**, designing large-scale, high-traffic web applications with a focus on **Java**, **Angular/React**, **MySQL**, and **MongoDB**.
 - Proven experience with designing systems that handle **millions of concurrent users** and ensuring performance at scale.
 - Expertise in architecting microservices-based systems and designing high-performance APIs.
 - Strong experience with cloud platforms such as **AWS**, **Azure**, or **GCP**, and containerization tools like **Docker** and **Kubernetes**.
- **Technical Skills:**
 - **Backend:** Proficient in **Java**, **Spring Boot**, and other related technologies for building scalable back-end systems.
 - **Frontend:** Experience with **Angular** or **React** for building rich, high-performance web applications.



- **Databases:** In-depth experience in **MySQL** for relational data and **MongoDB** for NoSQL data storage; experience with designing complex database schemas and optimizing queries.
- **Scalability & Performance:** Expertise in high-traffic systems, implementing solutions for **load balancing**, **caching**, and **auto-scaling**.
- **API Design:** Strong experience in designing and implementing **RESTful APIs** and **GraphQL APIs**.
- **Cloud Architecture:** Experience with building cloud-native applications and leveraging cloud services for scalability, high availability, and disaster recovery.
- **Tools:** Familiarity with tools like **Jenkins**, **GitLab CI**, or similar tools for CI/CD, and **Prometheus/Grafana** for monitoring.
- **Soft Skills:**
 - Strong communication skills with the ability to engage with technical and non-technical stakeholders.
 - Problem-solving mindset with the ability to architect complex solutions to meet business and technical requirements.
 - Leadership and mentoring experience, with the ability to lead teams and ensure the technical excellence of the project.

Educational Qualifications:

- Bachelor's or Master's degree in Computer Science, Engineering, or a related field.
- Relevant industry certifications (e.g., **AWS Certified Solutions Architect**, **Google Cloud Professional Architect**) are a plus.

Preferred Skills:

- Experience with **Kubernetes** for orchestration and management of microservices.
- Familiarity with **event-driven architectures**, **Kafka**, or **RabbitMQ** for messaging systems.
- Knowledge of **AI/ML** implementations for large-scale systems (desirable).

If interested, please share resume to hr@advantal.net