

Shrikrishnan Balakrishnan

Senior Software Engineer

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SKILLS

- **Programming Languages** : Java, J2EE, Data Structures and Algorithms, MySQL, PostgreSQL, Bash
- **Libraries and Frameworks** : Spring Boot, JPA, EclipseLink, JUnit, Mockito, RESTful API, Querydsl, Apache FreeMarker, Kafka, Hibernate
- **Tools** : Git, Grafana, GitLab, Eclipse, IntelliJ
- **Other Skills** : Problem Solving , Clean Code , High Level Design(HLD) and Low Level Design(LLD)

EXPERIENCE

Senior Software Engineer

Aug 2023 - May 2025

Hapag-Lloyd AG

Chennai

- Re-engineered the scheduling process for Hapag Shipping Solutions, transitioning to a microservices architecture, which improved scalability and reduced operational costs by 40%.
- Engineered high-performance software solutions with Java, Spring Boot, and JPA, enhancing system scalability and maintainability by 30% while cutting latency by 60%.
- Designed and deployed a REST API for the Operation Vessel Schedule, enabling real-time data synchronization and improving API observability with Grafana for high-volume consumption.
- Developed an automated OVS integration between Maersk and Hapag, reducing manual data entry by 80% and operational costs by 90%, while boosting workflow efficiency by 90%.
- Implemented a comprehensive monitoring system with Grafana, enhancing real-time tracking and operational oversight of scheduling and automation processes.
- Constructed a Kafka-based data pipeline to migrate 578 million records from DB2 to PostgreSQL, achieving zero downtime and ensuring full data consistency.
- Served as Security Champion for the Product Schedule module, leading efforts to identify, fix, and prevent vulnerabilities in the codebase, maintain up-to-date dependencies, and ensure secure, defect-free environments via continuous monitoring and vulnerability scanning using Trivy.
- Applied SOLID principles and design patterns to optimize microservices modules, successfully reducing TPS (Transactions Per Second) and QPS (Queries Per Second) loads.
- Tech Stack Used: Java, J2EE, Spring Boot, JPA, EclipseLink, Querydsl, Kafka, PostgreSQL, DB2, RESTful API, Apache FreeMarker, Grafana, Trivy, Bash, JUnit, Mockito.

Senior Analyst

Oct 2022 - Jun 2023

Wipro Limited

Chennai

- Led the development of complex projects, actively participating in requirement gathering to align with client needs.
- Designed and implemented Java applications while optimizing existing Spring Boot services for improved performance.
- Facilitated daily scrum meetings, enhancing team communication and ensuring timely updates on sprints and user stories.
- Coordinated client and stakeholder meetings to gather requirements for implementing the 401(k) plan, ensuring project alignment.
- Managed a team of three, fostering knowledge sharing and collaboration to enhance project outcomes.
- Executed codebase optimizations, achieving a 50% reduction in operational costs through efficient coding practices.
- Converted application storyboards and use cases into high-quality code, improving development efficiency and product quality.

Analyst

Jun 2021 - Sep 2022

Wipro Limited

Chennai

- Achieved promotion to the next role within 1 year by delivering strong performance for the organization.
- Contributed to the development of small projects, enhancing overall project outcomes.
- Took ownership of small modules independently and delivered them with high quality.
- Troubleshooted, investigated, and resolved technical issues efficiently.
- Assumed ownership of modules and ensured timely deployment to production.
- Wrote defect-free code to maintain high standards of software quality.

Associate Analyst

Feb 2020 - May 2021

Wipro Limited

Chennai

- Streamlined communication by documenting reports and coordinating with the team lead, achieving a 30% improvement in issue resolution efficiency.
- Recognized for exceptional performance, contributing to a 20% enhancement in project delivery timelines through effective teamwork.
- Automated web application testing processes, decreasing manual testing time from 8 hours to just 2 hours during regression phases.
- Maintained and debugged codebases for multiple web applications, resulting in a 95% reduction in critical bugs for the 401(k) plan.

Trainee

Sep 2019 - Jan 2020

Wipro Limited

Chennai

- Contributed to the Software Development Life Cycle (SDLC) for diverse interfaces, enhancing project delivery timelines by 15%.
- Executed comprehensive testing procedures for GUI, Web, and Mobile App interfaces, improving defect detection rates by 20%.
- Acquired in-depth knowledge of the 401(k) retirement plan, facilitating informed discussions with stakeholders.

ACHIEVEMENTS

1. Awarded 'TechWhiz' for Q4-2023 at Hapag-Lloyd for excellent problem-solving skills and consistently raising the bar for innovation and technical excellence. Certificate Link : https://drive.google.com/file/d/1j-OZAKZtOG8U1ZKziqu7lOzyBOtg5_nF/view?usp=sharing
2. Recognized as 'Best Performer' for Q1-2024 at Hapag-Lloyd for setting remarkable benchmarks in performance and delivering excellence across the team.Certificate Link : https://drive.google.com/file/d/1hsO2zF1qJclR_xZ9iFH_zRilX9CnBs73/view?usp=sharing
3. Served as Security Champion for the Product Schedule module at Hapag-Lloyd, leading initiatives to identify, resolve, and prevent codebase vulnerabilities, maintain up-to-date dependencies, and ensure a secure, defect-free environment through continuous monitoring and vulnerability scanning using Trivy.

EDUCATION

Scaler Specialized in Software Development & Problem Solving Coursework : Data Structures and Algorithms , High Level Design(HLD) and Low Level Design(LLD)	2025
SASTRA University BE/B.Tech/BS in Computer Science 6.2 CGPA	2019