Shrikrishnan Balakrishnan

⊘ Chennai | ☎ +91-7418144913

| Linkedin | Github | Leetcode | Codeforces | Codechef | Hackerrank | Hackerearth | Geeksforgeeks | Scaler | My Portfolio |

✉ b.shrikrishnan@gmail.com

Skills

- **Programming Languages** : Java, Bash/Shell Scripting
- **Libraries and Frameworks** : Spring Boot, MVC, Angular
- **Tools** : MySQL, PostgreSQL, SQL, REST API, Grafana, Visual Studio, JIRA, prometheus, postman, CI/CD, Microservices, Git, AWS, Bitbucket, Docker, Kubernetes

Experience

Senior Software Development Engineer   Jul 2025 - Present
BMW TechWorks India

A Java Full Stack Developer with strong backend expertise and solid knowledge of frontend development, working with the following technology stack: Angular, Java, TypeScript, Quarkus, Spring Boot, AWS, GitHub, and GitHub Actions.

Senior Software Enginer / Module Leader   Jun 2025 - Jul 2025
Aspire Systems

- Developed 5+ microservices using Spring Boot, registered with Eureka for dynamic service discovery.
- Built a key microservice for the With app using Spring Boot (backend) and Angular (frontend), improving performance by 30%.
- Designed a secure API Gateway, reducing response times by 25% and improving request routing efficiency.
- Deployed architecture to AWS (EC2, RDS, S3), maintaining 99.9% uptime and supporting 10,000+ concurrent users.
- Delivered 10+ REST APIs with high availability and robust validation.
- Led an 8-member team, ensuring on-time delivery of scalable, maintainable microservices.
- Implemented CI/CD, automated testing with JUnit/Mockito (85% coverage), and monitoring tools like Grafana and Trivy.
- Tech Stack: Java, J2EE, Spring Boot, JPA, Hibernate, PostgreSQL, REST APIs, Angular, AWS, Eureka, Spring Cloud, Grafana, Trivy, Bash, JUnit, Mockito, Maven

Senior Software Engineer   Aug 2023 - May 2025
Hapag-Lloyd AG

- 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.
- 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, Maven.

Senior Analyst   Sep 2019 - Jun 2023
Wipro Limited

- Led the development of complex projects using Core Java, JPA, and JEE, actively participating in requirement gathering and client alignment.
- Designed Java applications and optimized Spring Boot services for better performance and scalability.
- Facilitated daily scrums and client meetings to track sprint progress, user stories, and project alignment.
- Managed a team of three, fostering collaboration and driving knowledge sharing on Java, JPA, and microservices best practices.
- Achieved a 50% reduction in operational costs through efficient coding, system optimization, and technical improvements.
- Converted storyboards and use cases into clean, maintainable Java code, improving development speed and product quality.
- Automated web application testing processes, reducing regression testing time from 8 hours to 2 hours.
- Maintained and debugged codebases for multiple web applications, achieving a 95% reduction in critical bugs for the 401(k) plan.

- Contributed to SDLC processes, enhancing project delivery timelines by 15%, and ensured production deployments met quality standards.
- Gained deep domain expertise in the 401(k) retirement plan, improving technical discussions and stakeholder communication.
- Tech Stack Used : Core Java, JEE, Spring Boot, JPA, RESTful APIs, SQL, Maven, JUnit, Mockito

Education

Scaler 2025
Other
Specialized in Software Development & Problem Solving
Coursework : Data Structures and Algorithms , High Level Design(HLD) and Low Level Design(LLD)

SASTRA University 2018
BE/B.Tech/BS