

Skills

- **Programming Languages** : Java, Bash/Shell Scripting, TypeScript
- **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, GitHub Actions, Terraform, GitHub

Experience

Senior Software Development Engineer

Jul 2025 - Present

BMW TechWorks India

- Developed cloud-native full-stack enterprise applications using **Java, Quarkus, Spring Boot, Angular, TypeScript, PostgreSQL, and AWS**.
- Modernized a legacy platform by migrating **Spring Jersey** → **Quarkus**, improving startup time by **80%+**, reducing memory usage, and increasing application throughput.
- Introduced **MapStruct** for automated DTO mapping, reducing boilerplate code by **60%** and improving maintainability.
- Designed and developed **4+ production microservices** following SOLID principles and clean architecture.
- Built reusable Angular components and implemented end-to-end features across frontend and backend.
- Provisioned complete AWS infrastructure using **Terraform**, including **RDS, Glue, Athena, CloudFront, CloudWatch, IAM, VPC, Redis (ElastiCache), and S3**, enabling repeatable Infrastructure as Code deployments.
- Developed reusable **GitHub Actions** workflows for CI/CD, automating build, test, SonarQube, security scanning, Docker image creation, and deployments, reducing release effort by **90%**.
- Built AWS Glue ETL pipelines integrating BMW Data Portal with Amazon Athena for automated data migration and transformation.
- Served as **Code Quality Champion**, resolving **100+** security findings across GitHub Advanced Security, CodeQL, SonarQube, Wiz, application code, infrastructure, and CI/CD pipelines.
- Developed **8+ AI-powered developer agents** that automate engineering workflows, including Jira-to-Pull Request generation, repository automation, and developer productivity tasks.
- Built an automated repository governance solution for stale branch detection and stakeholder notifications across multiple repositories.
- Designed and launched a centralized **Developer Portal** for onboarding, architecture documentation, KT videos, engineering standards, and reusable development resources.
- Tech Stack : **Java • Quarkus • Spring Boot • Angular • TypeScript • PostgreSQL • AWS (RDS, Glue, Athena, CloudFront, CloudWatch, IAM, VPC, S3, ElastiCache) • Terraform • GitHub • GitHub Actions • Docker • Kubernetes • ArgoCD • SonarQube • GitHub Advanced Security • CodeQL • Grafana • MapStruct • AI Agents • GitHub Copilot**

Senior Software Engineer / 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

Scaler2025

Other

Specialized in Software Development & Problem Solving

Coursework : Data Structures and Algorithms , High Level Design(HLD) and Low Level Design(LLD)

SASTRA University2018

BE/B.Tech/BS