

# Shaik Azmathulla

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## Professional Summary

Dynamic software engineering leader with 12+ years of experience in Java development, architecture-level upgrades, and team leadership. Proven expertise in building scalable applications, managing high-performing teams, and driving modernization initiatives.

- Deep expertise in Core Java covering **OOP design, Collections, Multithreading, Generics, JVM internals**, and performance optimization.
- Led the development of high-performance Java applications using advanced data structures and algorithmic techniques.
- Established best practices for exception handling, logging, and code quality across multiple teams. **Java + Spring Boot** Architected and delivered enterprise-grade RESTful services using **Spring Boot, Spring MVC, and Spring Data JPA**.
- Designed and implemented microservice architectures with a strong focus on scalability, resilience, and modularity.
- Optimized ORM performance using Hibernate/JPA with effective entity modeling, caching, batch operations, and query tuning. Implemented enterprise-level security with **Spring Security, JWT, OAuth2, and role-based** access control.
- Database Engineering Extensive hands-on experience with **MySQL, PostgreSQL, and Oracle** in high-volume production systems.
- Designed efficient database schemas, wrote complex stored procedures, and optimized SQL for large-scale datasets.
- Microservices & Cloud Led for the design, containerization, and orchestration of microservices using Spring Boot, Docker. Built reliable inter-service communication patterns using event-driven architectures like **PUBSUB**.
- Worked on cloud-native applications on AWS (**EC2, S3, Lambda, API Gateway, CloudWatch**).
- Designed CI/CD-driven cloud deployments with auto-scaling and self-healing capabilities. Tools / CI-CD Expert in Maven for building lifecycle automation and dependency management.
- Testing & Quality Assurance Established automated testing standards with JUnit, Mockito, and integration testing frameworks.

## Core Technical Skills

- Languages: Java, JavaScript, SQL

- Frameworks & Libraries: Spring Core, Spring MVC, Spring Boot, Hibernate, Java EE, JPA, ReactJS, jQuery
- Tools & Platforms: Git, Maven, Jenkins, Docker
- Front-End: HTML5, CSS3, JavaScript (ES6+), ReactJS, jQuery
- Back-End: Java (Core & Advanced), RESTful APIs, Microservices Architecture, Spring Boot, Hibernate, JPA
- Databases: PostgreSQL, Oracle, MYSQL
- Servers: Apache Tomcat, JBOSS EAP, Wildfly
- Testing: JUnit, Mockito, Postman
- Other: CI/CD, Agile/Scrum, Design Patterns, OOP Concepts, Collections Framework, Exception Handling, Multithreading, Java I/O, Streams & Lambda (Java 8+), Security (OAuth2, JWT), Cloud Basics (AWS)

## Core Competencies

- Agile Project Management & SDLC Oversight
- Cross-functional Team Leadership
- Product Strategy Alignment (eSource, eConsent, eREG, EDC, CTMS)
- DevOps Collaboration & CI/CD Implementation
- Technical Solution Design & Architecture Review
- Engineering Team Productivity & Culture Building

## Professional Experience

### Associate Manager, Senior Software Engineer | Advarra

Apr 2024 – Present | Kakinada

#### Project Description: Organization-wide Common Core Library

The **Common Core Library** is a centralized, reusable framework designed to unify shared functionalities across all products within the organization. The project aims to ensure consistency, reduce duplication, and streamline development by providing standard components, services, and database structures used by multiple teams.

#### Roles and Responsibilities

- Worked on dockerizing the existing application from current vagrant style
- Lead the refinements after transition to new product
- Motivated the team to maintain high engagement and performance.
- Organized team meetings and perform reviews to assess the application development.
- Supported the entire application lifecycle.
- Reviewed the code implemented by team members.

## Team Lead, Senior Software Engineer | Advarra

Nov 2021 – Apr 2024 | Kakinada

### Project Description – eConsent System

The eConsent system is a digital platform designed to streamline the informed-consent process in clinical studies. It provides participants with clear study information, captures their consent electronically, and includes a questionnaire to assess their understanding before enrollment. The platform incorporates a structured workflow to manage and track each step of the consenting process, ensuring accuracy, transparency, and regulatory compliance.

### Roles and Responsibilities

- Monitoring the team's performance.
- Support the entire application lifecycle (concept, design, test, release).
- Developing RESTful web services for respective requirements.
- Reviewing the code implemented by team members.
- DO Analysis and discussion on new user stories to be implemented.
- Organize team meetings and perform daily reviews for assessing application development.

## Team Lead | Alpha Clinical Systems

Jan 2018 – Nov 2021 | Kakinada

### Project Description – eSource Mobile App

The **eSource Mobile App** is the mobile counterpart of the eSource web application. It enables users to collect and manage data directly from their mobile devices. Key features include:

### Roles and Responsibilities

- Monitoring the team's performance. Support the entire application lifecycle (concept, design, test, release).
- Developing RESTful web services for respective requirements.
- Reviewing the code implemented by team members.
- DO Analysis and discussion on new user stories to be implemented.
- Organize team meetings and perform daily reviews for assessing application development.

## Java Developer | Pilog India Pvt Ltd

Feb 2015 – Dec 2017 | Hyderabad

### Roles and Responsibilities

- Understanding the business requirements of managers.
- Building reusable functional components for respective requirements.
- Developing screens using UI frameworks like Widgets and jQuery.
- Developed a configurable Full text search functionality using Hibernate.

- Writing RESTful services for requirements.

## **Junior Java Developer | Iman Tech Solutions**

Feb 2013 – Feb 2015 | Hyderabad

### **Roles and Responsibilities**

- Actively involved in requirement analysis, design, development, and integration of all modules.
- Actively involved in Database Designing.
- Designing UI using server-side frameworks like JSF and PrimeFaces.
- Deploying applications into Apache Tomcat server environment.

### **Education**

Bachelor of Technology in Information Technology

SIR CRR College of Engineering, Eluru, Andhra Pradesh