

# PAVAN KUMAR KUNASANI

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## PROFESSIONAL PROFILE

Highly accomplished **Senior Full-Stack Engineer** with over 10 years of extensive experience in the complete software development lifecycle (SDLC). Core expertise is focused on the **Java/Spring Boot 3** ecosystem. Possesses a strong architectural foundation with solid knowledge of **System Design, Microservices Principles**, and managing **Distributed Transactions**. Competent in front-end development using **Angular** and **React** for UI implementation, maintenance, and bug resolution. Expert in modern deployment using **Docker/Podman** and cloud services on **Microsoft Azure**. Seeking a challenging lead role to deliver robust and scalable software solutions.

## TECHNICAL EXPERTISE

Domain	Key Technologies
Architecture & Design	<b>System Design, Microservices, Distributed Transactions, DSA, OOD</b>
Backend & Frameworks	<b>Java Core (8/11+), Spring Boot 3, Spring MVC, Hibernate, RESTful APIs, Spring Security</b>
Data & Messaging	<b>Kafka (Messaging), Redis (Caching), Oracle 11g, SQL, NoSQL Concepts (MongoDB)</b>
Frontend & UI	<b>Angular, React, TypeScript, HTML5, CSS3, JavaScript</b>
Cloud & DevOps	<b>Microsoft Azure, Docker, Podman, Jenkins, Maven, Git, SVN</b>
Testing & Tools	JUnit, Mockito, Log4j, Apache Tomcat, JBoss, Postman, DBeaver

## PROFESSIONAL EXPERIENCE

**Senior Software Engineer | Concentrix | January 2019 – Present (Projects: QUAL PRO - Qualification Tracking Management)**

- **Drove the modernization effort** from legacy systems to a high-performance architecture utilizing **Spring Boot** for modular backend services.
- **Applied System Design principles** to enhance the stability and scalability of the enterprise-level qualification tracking system, resulting in reduced operational costs.
- Developed complex, data-driven features in the **Angular** front-end, focusing on responsive design and compliance workflow optimization.
- Responsible for optimizing complex **Oracle** queries and Hibernate mappings to ensure efficient and reliable high-volume transaction processing.
- Managed the end-to-end CI/CD pipeline, orchestrating builds via **Jenkins** and deploying scalable applications onto **Microsoft Azure** cloud servers.

**Software Engineer | HTC Global Services | March 2018 – January 2019 (Project: ICMA - Specialized Nursing Homes Program)**

- Designed and implemented the complete customer self-service module using annotation-based **Spring Boot** and **Hibernate** for robust data persistence.
- Developed and documented **RESTful APIs** using **Spring MVC**, leveraging **Swagger** for clear API specification and integration across client systems.
- Ensured code quality and reliability by developing **JUnit** and **Mockito** test cases, achieving strong unit test coverage for critical business logic.

**Software Engineer | Verinon Technology Solutions Pvt. Ltd. | January 2015 – March 2018 (Projects: LISI Systems (Aerospace), Doc-Viewer, Annual Assessment)**

- Delivered development and L1 support for mission-critical applications across supply chain, document management, and HR domains for an aerospace client.
- Enhanced the core **LISI Aerospace Shipping module**, ensuring high availability and sustained compliance with stringent aerospace operating standards.
- Implemented core business logic using **Spring MVC Controllers** and utilized **Spring IOC** for dependency injection, significantly enhancing application testability and maintainability.
- Gained extensive experience working directly with Business and Support Analysts to rapidly implement solutions and enhancements following **OO methodologies**.

## EDUCATION

**Bachelor of Technology in Electronics & Communication | Jawaharlal Nehru Technological University, Kakinada, India**