PRAYAG GARG

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PROFESSIONAL SUMMARY

Results-driven Full Stack Software Engineer with 3+ years of experience designing and implementing scalable web applications using Java, Spring Boot, and Angular. Proven expertise in developing high-performance RESTful APIs, optimizing SQL database operations, and deploying containerized solutions with Docker. Experienced in Agile methodologies, cloud technologies (AWS), and business intelligence tools (Power BI). Strong analytical and problem-solving skills with a track record of improving operational efficiency and delivering robust software solutions.

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, TypeScript, SQL, C++
- **Backend Technologies:** Spring Boot, Spring Security, Hibernate, JPA, RESTful APIs, Microservices, JWT
- **Frontend Technologies:** Angular, HTML5, CSS3, TypeScript, Responsive Web Design
- **Databases:** Microsoft SQL Server, PostgreSQL, Database Design, Query Optimization, Indexing
- **Cloud and DevOps:** AWS (Amazon Web Services), Docker, Git, GitHub, Apache Tomcat, Apache HTTP Server, Postman, CI/CD
- **Business Intelligence and Office Tools:** Power BI, Microsoft Excel, Microsoft PowerPoint, Data Visualization
- **Development Methodologies:** Agile, Scrum, Test-Driven Development, Code Reviews, Version Control

PROFESSIONAL EXPERIENCE

Software Engineer

Sona Comstar | Gurgaon-Manesar, India | March 2024 - Present

- Designed and deployed full-stack web applications using Spring Boot and Angular, automating production monitoring systems for 5+ manufacturing lines, resulting in real-time operational visibility
- Developed live production dashboard that reduced reporting delays by 80%, enabling data-driven decision-making for plant managers and improving production efficiency
- Optimized Microsoft SQL Server queries and implemented indexing strategies, reducing API response times by 40% for critical production data retrieval
- Integrated QR code and barcode generation systems with external APIs to enable seamless cross-platform data synchronization between manufacturing machines and monitoring dashboards
- Automated Excel report generation using Java libraries, eliminating 15+ hours per week of manual reporting work and improving data accuracy
- Collaborated with cross-functional teams in Agile environment to deliver features on schedule and maintain 99% application uptime

Junior Software Engineer

Ascent Business Technology | Gurgaon, India | January 2023 - March 2024

- Designed and implemented scalable RESTful APIs using Spring Boot framework that improved backend performance by 35% for enterprise applications serving 10,000+ users

- Architected Global Search API layer across microservices architecture, reducing data retrieval time from 5 seconds to under 1.5 seconds through query optimization and caching strategies
- Containerized microservices using Docker, ensuring consistent deployment across development, staging, and production environments, reducing deployment time by 50%
- Implemented security features using Spring Security and JWT authentication, ensuring secure API endpoints and role-based access control
- Participated in Agile sprints, daily standups, and code reviews, contributing to 20% reduction in production defects and improved code maintainability
- Integrated third-party APIs and developed middleware solutions to enable seamless data flow between enterprise systems

Trainee Software Engineer

Ducat | Gurgaon, India | June 2022 - December 2022

- Developed secure authentication and authorization systems using JWT tokens and Spring Boot, implementing role-based access control for enterprise applications
- Built desktop applications using Java Swing with features including file handling, text formatting, and keyboard shortcuts, demonstrating strong OOP principles
- Created GUI-based Food Ordering System applying object-oriented design patterns, event-driven programming, and MVC architecture
- Gained hands-on experience with full software development lifecycle including requirements analysis, design, implementation, testing, and deployment

EDUCATION

Master of Computer Applications (MCA)
Govt. PG College, Gurgaon, India

Bachelor of Technology (B.Tech) in Computer Science
DCRUST, Murthal, Sonepat, India
CGPA: 8.2/10

GATE 2022 Qualified - Graduate Aptitude Test in Engineering

CERTIFICATIONS

- Java Spring Boot Development - Ducat
- C++ with Object-Oriented Programming - Ducat
- AWS Cloud Practitioner (In Progress) - Amazon Web Services

PORTFOLIO

View detailed projects and technical demonstrations at: https://prayaggarg7.github.io/my-portfolio/