PRAYAG GARG

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PROFESSIONAL SUMMARY

Software Developer with 4+ years of experience building scalable web applications using Java, Spring Boot, and Angular. Proven expertise in developing RESTful APIs, optimizing database queries for 40% faster response times, and implementing full-stack solutions that serve 10,000+ users. Proficient in modern development practices including Agile/Scrum, Docker containerization, Git version control, and CI/CD pipelines. Strong track record of writing clean, maintainable code, collaborating with cross-functional teams, and delivering features that improve system performance by 35% and automate manual workflows saving 15+ hours weekly. Passionate about solving complex technical challenges and continuously learning new technologies to build better software solutions.

TECHNICAL SKILLS

- **Programming Languages:** Java (Expert), JavaScript, TypeScript, SQL, C++, HTML5, CSS3
- **Backend Technologies:** Spring Boot, Spring Security, Hibernate ORM, RESTful APIs, Microservices, JWT, Maven, Spring Data JPA
- **Frontend Technologies:** Angular 10+, TypeScript, JavaScript ES6+, HTML5, CSS3, Bootstrap, Responsive Design
- **Databases:** Microsoft SQL Server, PostgreSQL, MySQL, Query Optimization
- **Cloud & DevOps:** AWS, Docker, Git, GitHub, Apache Tomcat, Postman, Jenkins
- **Tools & Methodologies:** Agile/Scrum, IntelliJ IDEA, VS Code, Code Review
- **Business Intelligence:** Power BI, DAX, Data Visualization, Dashboard Development, Excel (Advanced), PowerPoint

PROFESSIONAL EXPERIENCE

Software Engineer

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

- Architected and deployed 5 full-stack web applications using Spring Boot REST APIs and Angular 10+, processing 50,000+ daily transactions with real-time operational insights for manufacturing operations
- Engineered live production dashboard eliminating 80% reporting delays (4 hours to 48 minutes), enabling real-time KPI monitoring for 20+ managers and increasing production efficiency by 25%
- Optimized 150+ SQL Server queries with strategic indexing and stored procedures, achieving 40% response time reduction (2.5s to 1.5s) and 45% database performance improvement
- Integrated QR code/barcode systems with manufacturing APIs using RESTful services, enabling automated synchronization across 8 production lines and reducing data entry errors by 95%
- Automated Excel reporting using Apache POI, eliminating 15+ hours weekly manual work, improving accuracy from 92% to 99.8%, and reducing generation time by 70%
- Collaborated in Agile environment with 12+ team members, delivering 98% of features on schedule while maintaining 99.5% application uptime

Junior Software Engineer

Ascent Business Technology | Gurgaon, India | January 2022 - March 2024

- Designed and implemented 20+ scalable RESTful APIs using Spring Boot with JWT authentication, improving backend performance by 35% and serving 10,000+ concurrent users with 99.7% uptime
- Architected Global Search API integrating 6 microservices with Redis caching, reducing search response time by 70% (5.0s to 1.4s) and improving user experience scores by 42%

- Containerized 15+ microservices using Docker, creating deployment pipelines that reduced deployment time by 50% (2 hours to 60 minutes) and eliminated 85% of environment issues
- Implemented security architecture using Spring Security, OAuth 2.0, and JWT with role-based access control for 5 user roles, securing 30+ API endpoints with zero critical vulnerabilities
- Led code quality initiatives including bi-weekly reviews and unit testing with JUnit/Mockito achieving 85% coverage, reducing production defects by 20% and improving maintainability from 65% to 82%
- Integrated 8 third-party APIs developing middleware with error handling and retry logic achieving 99.5% integration success rate

Trainee Software Engineer

Ducat | Gurgaon, India | June 2021 - December 2021

- Developed secure authentication using JWT, Spring Boot, and Spring Security with role-based access control for 4 user roles and BCrypt encryption, securing 1,000+ user accounts
- Built 3 desktop applications using Java Swing/AWT with rich GUI components, file I/O, text formatting, and keyboard shortcuts, demonstrating OOP and event-driven architecture mastery
- Created Food Ordering System with MVC architecture, Observer and Factory patterns, MySQL integration, and CRUD operations, processing 500+ simulated orders during testing
- Completed training in full SDLC including requirements gathering, design, implementation, JUnit testing, and deployment, delivering 5 projects on schedule

EDUCATION

Master of Computer Applications (MCA)

Government PG College, Gurugram University, Gurgaon | CGPA: 7.2/10.0 | 2025

Bachelor of Technology (B.Tech) in Mechanical Engineering

DCRUST, Murthal, Sonepat | CGPA: 8.2/10.0 | 2020

GATE 2022 Qualified - Graduate Aptitude Test in Engineering (Mechanical)

CERTIFICATIONS & TRAINING

- Advanced Java Spring Boot Development - Microservices, REST APIs, Spring Security (Ducat, 2021)
- C++ Programming with Object-Oriented Design - Data Structures, Algorithms, STL (Ducat, 2021)

PROJECTS & PORTFOLIO

View comprehensive project portfolio with technical documentation: https://prayaggarg7.github.io/my-portfolio/