Tarun Cholkar

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EDUCATION

- **Master of Science in Computer Science**, Auburn University at Montgomery, Montgomery, AL, USA (01/2024 - 05/2025, GPA: 3.90/4)

- **Bachelor of Technology in Computer Science**, Keshav Memorial Institute of Technology, Narayanguda, Telangana, India (07/2015 - 06/2019, GPA: 70%)

SKILLS

- **Programming Languages:** Java 8, SQL, PL/SQL, JavaScript, HTML/CSS

- **Backend Frameworks:** Spring Boot, Spring MVC, Spring Security, Spring Data, JPA/Hibernate, JUnit

- **Frontend Frameworks:** React, Angular

- **Web Technologies & APIs:** RESTful APIs, SOAP APIs, JSON, XML

- **Architecture & Design:** Microservices, Design Patterns.

- **Databases:** Oracle Database, SQL, PL/SQL

- **Tools & Platforms:** Git, GitHub, GitLab, Maven, IntelliJ IDEA, Visual Studio Code, Jira

- **Development Methodologies:** Agile

WORK EXPERIENCE

Engr - II Software Development, Verizon, India (01/2022 - 01/2024)

- Led the development of a real-time Spring Kafka-based notification platform that processed over 1 million events/day, ensuring 99.9% system uptime for customer alerts.

- Designed and deployed scalable microservices using Spring Boot, integrated with internal APIs and external partners, contributing to 25% faster data delivery and enhanced customer satisfaction (up 15%).

- Enhanced the alerting system to deliver timely data, voice, and message usage alerts, improving transparency and helping reduce customer churn.
  Participated in 20+ major production releases, focusing on reliability engineering and system monitoring using tools like Newrelic & Kibana.

- Implemented secure coding practices, addressing vulnerabilities through static analysis tools such as Sonar, Blackbox and reducing security risks by 30%.

- Partnered with cross-functional teams (QA, DevOps, Product Owners) in an Agile environment to plan sprints, track deliverables via Jira, and conduct regular code reviews for continuous improvement.

Associate Software Engineer, ShipConsole, India (07/2019 - 01/2022)

- Designed and developed responsive full-stack web applications using Spring Boot (REST APIs) and React, resulting in a 15% increase in application performance and user responsiveness.

- Developed modular code structures and reusable components, improving overall development speed and reducing code duplication by 25%.

- Optimized backend services using Java Stream APIs and database query tuning, reducing

system latency and improving load times.

- Diagnosed and resolved 50+ critical frontend and backend issues, contributing to a 20% reduction in bug resolution turnaround time and improved deployment readiness.

- Collaborated with QA and product teams to deliver 12+ successful production releases, ensuring zero high-severity post-deployment defects.

- Mentored and onboarded 3–5 junior developers, promoting clean code practices, effective Git workflows, and fostering a strong collaborative environment.

PROJECTS

- **Batch Ship Web Application**: Built a responsive app using React, Spring Boot, and Java Stream APIs for efficient shipment processing.

- **Bug Tracker Web Application**: Developed a user-friendly tracker with Struts2, jQuery, and Bootstrap to streamline bug management.

- **Ship API**: Created a RESTful API using Spring Boot and JPA for seamless shipment data integration.

- **UDR - Usage Data Report**: Built a traffic-handling and reporting system with Spring Boot and Spring AMQ for customer plan usage insights.

- **Alerting**: Developed a notification app for plan limits using Spring Boot, Spring Kafka and Spring AMQ to enhance user awareness.

- **HUP (High Usage Potential) Reporting Tool**: Created a revenue assurance tool with Spring Boot and Spring Batch to identify high-usage trends.