

JOHN PRAKASH BALIREDDY

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PROFESSIONAL SUMMARY

Software Engineer with hands-on full-stack experience building REST APIs, backend services, and mobile/web applications across enterprise and consumer platforms. Delivered a production ride-hailing driver application live on the App Store and Google Play, backend validation tooling for a GRC/compliance SaaS platform, and enterprise web applications using Java, Spring Boot, and React. Comfortable working across the SDLC – from requirements and architecture through debugging, CI/CD deployment, and production support – in fast-paced Agile teams.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, SQL

Core Java: OOP, Collections Framework, Exception Handling, Multithreading, Java Streams, Lambda Expressions, Generics, File Handling

Backend: Spring Boot, REST API Development, Microservices, Authentication, Session Management, Software Design, Design Patterns

Frontend & Mobile: React.js, React Native (Expo), Tailwind CSS

Databases: MySQL, MongoDB, SQL Query Optimization

Tools: Git, GitHub, Maven, Jenkins, Postman, VS Code

Cloud: AWS EC2, AWS S3, Terraform (Basic)

Testing: JUnit, Selenium, RestAssured, Unit Testing, Integration Testing, Automated Regression Testing

Practices: SDLC, Agile/Scrum, Code Reviews, CI/CD, Debugging, Performance Optimization, Object-Oriented Analysis and Design

Problem Solving: Data Structures, Algorithms, LeetCode, HackerRank

WORK EXPERIENCE

Programmer Analyst

Cognizant

Mar 2026 – Present

Coimbatore, India

- Built and maintained **Java-based automation and validation tooling** integrated into **Jenkins CI/CD pipelines**, supporting release verification across distributed enterprise environments.
- Investigated production and pre-release defects through **root-cause analysis** and cross-functional debugging with development teams, improving release stability.
- Contributed to **build pipeline monitoring** and release validation workflows, working within Git branching strategies to support smooth deployment cycles.
- Collaborated with Dev and Product teams throughout the **SDLC** in an Agile environment, translating requirements into structured technical test and validation plans.

Software Engineer (Data Governance Platform)

2026

CoComply – GRC/Compliance SaaS Platform

Remote

- Built a **bulk-import Excel workbook system** for Business Application and Source asset types on an enterprise **Governance, Risk & Compliance (GRC)** platform used by financial institutions.
- Implemented **backend validation logic** against real production environment data and user-pool constraints, iterating through multiple correction cycles with the backend team to align with system rules.
- Worked directly with API/backend engineers to debug validation mismatches and ensure data integrity for compliance-critical asset records.

Full Stack Developer Intern

Aug 2025 – Nov 2025

Heizen

Remote

- Built and deployed web applications using **React.js** and **Spring Boot**, following a **microservices architecture** with a focus on scalability.
- Designed and implemented **REST APIs** consumed by frontend and mobile clients, integrating third-party services for real-time features.
- Improved backend throughput by optimizing data structures and **MySQL** query execution plans.
- Collaborated with Tech Leads on architecture planning and sprint estimation in an **Agile** environment; participated in **code reviews**.

React Native Developer Intern

2025

Labfox Studio

Remote

- Developed and shipped mobile application features using **React Native**, integrating **REST APIs** and optimizing UI performance across Android/iOS.
- Delivered features on schedule in **Agile sprints**, collaborating with backend and design teams under evolving requirements.

Full Stack Developer Intern

2022 – 2025

Mobiclo InfoTech Solutions

Remote

- Built responsive UIs in **React.js** with reusable components and **state management**, integrating backend **REST APIs**.
- Contributed across the full **SDLC** from design through deployment; participated in code reviews and maintained a clean, maintainable codebase.

PROJECTS

- Car1983 – Ride-Hailing Driver Platform | *React Native (Expo), NestJS, WebSockets, REST APIs*

2026
- Built the **driver-facing mobile application** for a ride-hailing platform live on the **App Store and Google Play**, covering ride requests, OTP verification, and live trip states.
 - Implemented **real-time WebSocket communication** for live ride status and vehicle position updates, and a phase-based trip state machine for reliable ride-lifecycle handling.
 - Designed the app architecture around a **microservices backend** (NestJS services for rides, drivers, pricing, and notifications), integrating REST APIs across services.
 - Worked through production debugging and stability issues to bring the app to public release on both major app stores.
- Geo Attendance System | *Java, Spring Boot, React.js, MySQL, GPS*

2024
- Designed a full-stack geolocation attendance platform with a **Spring Boot** backend supporting concurrent multi-user requests.
 - Implemented **GPS spoof detection and location validation**, applying Strategy and Repository design patterns for a maintainable, extensible architecture.
 - Optimized **MySQL** queries and indexing, reducing average query latency by ~35% under simulated load.
- OnHob Guardian & Supervisor Mobile Apps | *React Native, REST APIs, GPS, Push Notifications*

2025
- Developed mobile applications with real-time **GPS tracking**, push notifications, and attendance management using **React Native**.
 - Improved application stability through iterative load testing and performance optimization in an **Agile** environment.

ACHIEVEMENTS & COMPETITIVE PROGRAMMING

- **Polytechfest Hackathon – 1st Place (2022):** Won INR 25,000 building a **real-time chat application** under 24-hour competition constraints.
- **Vedic Vision Hackathon – 3rd Place (2024):** Developed an AI-assisted yoga guidance system, applying full-stack implementation under competition conditions.
- **Competitive Coding:** Actively solve **DSA problems** on LeetCode and HackerRank – arrays, trees, graphs, dynamic programming, and sorting in Java and Python.
- **Academic Excellence:** 8.6/10 CGPA with zero arrears while completing multiple production internships in parallel.

EDUCATION

SRKR Engineering College, Bhimavaram (JNTUK Affiliated)

Aug 2023 – Apr 2026

B.Tech, Computer Science & Engineering | Honours in Data Science

CGPA: 8.6/10 | No Arrears