

# RAMKUMAR | Backend Engineer

+91-6383649920 | ramkumar.ds26@gmail.com | [linkedin.com/in/connect-ramkumar](https://www.linkedin.com/in/connect-ramkumar)

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## SUMMARY

Results-driven **Backend Engineer** with 4+ years of experience in designing and developing scalable microservices and backend systems. Proven expertise in **Java, Spring Boot, Node.js**, and **distributed architectures**. Skilled in building event-driven systems, optimizing performance, and automating testing. Passionate about building high-availability systems and contributing to impactful backend solutions.

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## WORK EXPERIENCE

### Senior Software Engineer — Darby Telematics, Bangalore

*Apr 2023 – Present*

- Led development of scalable microservices for a vehicle telematics platform serving enterprise clients, handling high-volume real-time data processing.
- Architected and implemented event-driven systems using **RabbitMQ** and **Apache Kafka**, ensuring reliable message processing with 99.9% uptime.
- Designed RESTful APIs and data pipelines using **Spring Boot**, **MongoDB**, and **Redis caching** layers to improve system performance.
- Migrated multiple services from **Spring Boot** to **Node.js** and **PostgreSQL**, achieving a **60% infrastructure cost reduction**.
- Developed **Elasticsearch-based** search solutions for complex vehicle data analytics, reducing query response time by **70%**.
- Implemented **AI-powered natural language search** converting user queries into Elasticsearch DSL for intuitive data discovery.
- Hands-on experience & knowledge with Jenkins, Prometheus, ELK Stack, Docker, Kubernetes, AWS.

### Operations Executive (Automation Tester) — Infosys, Chennai

*Dec 2020 – Apr 2022*

- Developed test automation frameworks using Selenium and Java for US banking applications.
  - Designed and executed **REST API** and end-to-end testing scenarios ensuring robust software quality.
  - Conducted **functional, regression, and integration testing** across multiple release cycles.
  - Managed test data in **MySQL databases** and validated integrity across system integrations.
  - Earned client recognition for consistent, high-quality MVP releases.
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## EDUCATION

**Bachelor of Computer Application in Cloud Technology** – Crescent Institute of Science & Technology, Chennai

*Jul 2017 – Aug 2020*

**Full Stack Web Development Program** — Masai School (Online Bootcamp)

*May 2020 – Mar 2023*

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## SKILLS & TECH STACK

**Languages:** Java, JavaScript

**Frameworks:** Spring Boot, Node.js, Express.js

**Message Queues:** RabbitMQ, Kafka

**Databases:** MongoDB, MySQL, PostgreSQL, Redis, Elasticsearch

**Tools:** Jenkins, Prometheus, Docker, Kubernetes, Git, Gradle

**Cloud:** AWS (S3, Lambda)

**Soft Skills:** Collaboration, Teamwork, Problem Solving