

# Rahul Balakrishna

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A Software engineer with 2.5+ years of experience with Java, Spring Boot, Mainframe, React Js, Node Js. Indeed, an innovative thinker, initiative taker, and multi-dimensional professional with great logical, analytical, and networking skills.

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## TECHNICAL SKILLS:

Programming Skills: Java, React, Angular, Node.js, Python, Mainframe, C, C++, PL1, and Cobol

Framework: Spring Boot, Spring, GraphQL, AWS Cloud Services, Kubernetes, Docker, Jenkins, Microservices, Gatling, Tomcat, Git, Grafana, Gerrit, Power BI, Swagger, HTML5, CSS, JavaScript, Servlets, Google Cloud Platform, Terraform, Hibernate, Spring MVC, Linux

Database: My SQL, DB2, MSSQL, Mongo DB, Postgres, and IMS

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## EXPERIENCE:

**Volvo Group India Private Limited | Consultant - TEKsystems | QA & Java Developer** **May 2022-Aug 2023**

- Converted Scala scripts to Java within Gatling, facilitating the integration of performance testing into the existing ecosystem and enhances the performance tests by 20% and brings the advantage of improved code understanding
- Supervised our applications infrastructure, making sure that we efficiently managed online instances on AWS to achieve cost optimization by 15% and 10% reduction in system downtime
- Managed Postgres and MongoDB databases and introduced innovative data persistence methods for the API aimed at reducing the database's data size resulting in a 30% reduction in the overall database costs
- Led load testing, leveraging AWS DevOps tools to assess performance and optimized critical areas, resulting in a 40% increase in concurrent user capacity and ensuring smooth deployment into production environment.
- Collaborated on optimizing by using GraphQL APIs, resulting in a 25% betterment in querying data efficiency

**Infosys India | Systems Engineer**

**Jan-2021 - May 2022**

- Achieved a 25% improvement in data retrieval efficiency from IMS Database by successfully implementing a PoC using Spring Boot and Java in Agile Mode, reducing development time by 20%.
- The migration to PostgreSQL opens future opportunities for cost reduction of 30% in storage and maintenance.
- Effective communication and collaboration with product owners for production issues
- Proficiently handled backend and front-end services in a microservices-based application, utilizing Spring Boot to address diverse functionalities and enhance overall performance by 20%

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## EDUCATION:

Northeastern University Boston, MA

**Fall 2023-Present**

Master's in information systems

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## INDEPENDENT PROJECTS:

### The Hotel Booking System

- Integrated a responsive UI for Hotel Booking system invoice (Spring Boot, Java, Angular JS, HTML, JavaScript, Node.js, CSS, Bootstrap) and implemented user-friendly billing transfer mechanism linked to customer IDs for efficient bill management

### Ringer (A Social Media Application)

- Implemented a MERN Stack Application registration, login, posting, liking, and friend features using React.js, and backend APIs retrieve information from databases created using Node.js, Express.js, and MongoDB

### Telecommunication Management Systems (Database Management system)

- Designed a MSSQL Database from scratch. Employed Power BI for effective data visualization and created Node.js APIs with Swagger for streamlined CRUD operations in a database management systems project