# Atul Bariyar

## Systems Engineer

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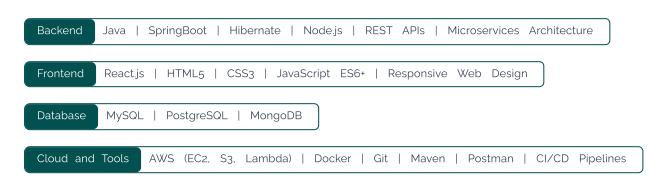in www.linkedin.com/in/atulbariyar/          github.com/AtulBariyar          🌐 atulbariyar.in

## SUMMARY

Backend-focused Full-Stack Developer with **5+ years of experience** in designing, developing, and optimizing **Java Spring Boot** applications, **microservices**, and **cloud-based solutions**. Skilled in **REST API development**, **database design**, and **AWS cloud integration**, with additional expertise in **React, Node.js, and modern web technologies**. Proven track record of improving performance, scalability, and reliability in both enterprise and freelance projects.

## SKILLS

| Backend | Java  |  SpringBoot  |  Hibernate  |  Node.js  |  REST APIs  |  Microservices Architecture |

| Frontend | React.js  |  HTML5  |  CSS3  |  JavaScript ES6+  |  Responsive Web Design |

| Database | MySQL  |  PostgreSQL  |  MongoDB |

| Cloud and Tools | AWS (EC2, S3, Lambda)  |  Docker  |  Git  |  Maven  |  Postman  |  CI/CD Pipelines |

## WORK EXPERIENCE

**Freelance Full-Stack Developer**                                                           May 2022 - Present

**Self Employed , Remote**

- Developed **scalable backend services** using Spring Boot and Node.js, integrating MySQL, MongoDB, and PostgreSQL.
- Built and deployed full-stack web applications using **React, HTML, CSS, and JavaScript** for clients in e-commerce, employee management, and custom domains.
- Delivered personal projects including:
  **E-commerce Microservices Architecture** – Multi-service backend deployed on AWS, secured APIs, integrated with MySQL.
  **Movie Reservation System** – Spring Boot + MySQL backend with booking, scheduling, and payment modules.
  **URL Shortener**, **Digital Diary**, and **Image Editor** applications.
- Managed entire SDLC from requirements gathering to deployment, ensuring **100% on-time delivery**.

**System Engineer**                                                                         Jul 2019 - Aug 2021

**Tata Consultancy Services Ltd , Kolkata**

- Upgraded **5+ enterprise Java systems** to Java 11 and Spring Boot, improving **API response times by up to 40%** and reducing downtime during deployments.
- Migrated **3 large-scale applications** to AWS (EC2, S3, Lambda), cutting **infrastructure costs by 15%** and reducing dependency on legacy systems by 100%.
- Optimized SQL queries and caching strategies, reducing **average database query time from 1.5s to 0.8s**.
- Collaborated with a **10+ member Agile team**, completing migration sprints **2 weeks ahead of schedule** while maintaining zero post-release defects.

## CERTIFICATIONS

### Spring Boot REST API with Java and Gradle | CodeSignal                    Jan 2025

Completed a **hands-on course** on building scalable RESTful APIs using Spring Boot and Java. Gained skills in creating **REST endpoints**, integrating databases with **Spring Data JPA**, implementing security with **JWT,** and testing APIs. Demonstrated proficiency in developing and deploying robust backend services efficiently.

### Front End Engineering with React | CodeSignal                    Jan 2025

Completed a practical course focused on **building dynamic, responsive web interfaces using React**. Gained expertise in **component-based architecture, state management, React Hooks, and integrating APIs**. Demonstrated ability to develop efficient, user-friendly frontend applications with modern JavaScript best practices.

## PROJECTS

### E-commerce Microservices

Designed and developed a Spring Boot microservices architecture for an e-commerce system, integrating MySQL and AWS for scalability.

### Movie Reservation System-movieTheater

Built a Spring Boot backend with seat selection, booking, and payment features, integrated with PostgreSQL.

### URL Shortener - ShortU

Created a Java Spring Boot application that generated **1,000+ unique short links**, reducing long URL usage by **80%**. Implemented click-tracking analytics with **95% data accuracy** for client reporting.

### Digital Diary Application

Developed a secure, user-friendly note-taking and task management app using Spring Boot and MongoDB. Enabled **real-time synchronization** across devices with an encryption mechanism ensuring **100% data privacy**.

### Image Editor Tool

Implemented a web-based image editing solution using React, SpringBoot, and REST API. Delivered features such as background removal and image manipulation, reducing manual editing time by **up to 70%** for clients.

## EDUCATION

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| **Bachelor Of Technology: WBUT** **CSE** | CGPA: 8.01 | Jun 2015 - Jun 2019 |