

# Rahul P V

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## PROFILE SUMMARY

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Java developer with 3 years of experience in developing, testing, and deploying scalable microservices and web applications using Java and Spring Boot. Currently focused on travel and hospitality solutions at Expedia with expertise in RESTful APIs, GraphQL, Kafka and cloud-based architectures. Proven track record in implementing microservices architecture, CI/CD pipelines, and containerization using Docker and AWS delivering high-quality solutions.

## EXPERIENCE

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- IBS Software** Kochi, Kerala  
*Senior Solution Engineer* July 2024 - July 2025
  - Downstream Services Integration:** Integrated downstream services to backend microservices systems using Java and Kotlin, boosting efficiency by 30% and enhancing overall system functionality for Expedia partners.
  - In-path Cross-sell Features:** Led implementation of In-path cross-sell features for Expedia Partner Solutions, which increased user retention and improved bookings by 20%.
  - Test Coverage Implementation:** Implemented comprehensive test coverage using JUnit, achieving 95% code quality metrics and reducing production issues by 40%.
  - Cross-functional Team Leadership:** Led a cross-functional team to troubleshoot and resolve complex technical issues, reducing timeline disruptions by 25%.
- IBS Software** Kochi, Kerala  
*Solution Engineer* July 2022 - July 2024
  - UX Enhancement:** Contributed to UX Enhancement team, utilizing React libraries and GraphQL to improve user experience with measurable impact on engagement metrics.
  - Feature Development:** Developed and shipped multiple features for Expedia and its partners, resulting in increased user retention and system performance.
  - Code Reviews:** Actively participated in code reviews and provided constructive feedback to team members, fostering a culture of continuous improvement and increasing code quality by 20%.
  - Technical Documentation:** Developed comprehensive technical documentation and orchestrated 5+ knowledge-sharing sessions that enhanced team learning, facilitated onboarding for new developers, and improved collective expertise across the engineering department.

## SKILLS

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**Programming languages:** Java , Javascript, Typescript, Kotlin, HTML, CSS

**Frameworks:** Spring Boot, Spring Cloud, Spring Security, Apache Kafka, ReactJS, NextJS, NodeJS, JUnit, Jest

**Databases:** MySQL, MongoDB

**API Architecture:** REST, Microservices, GraphQL, SOAP, Event Driven Architecture

**Tools:** Git, Docker, AWS, Jenkins, CI/CD Pipelines, Agile/Scrum

**Technical:** Multithreading, Data Structures and Algorithms, OOP, Debugging, System Design, Unit Testing, Apache Kafka, API Documentation (OpenAPI/Swagger), AI Integration

## PROJECTS

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- Event Booking Microservices Platform** GitHub  
*Spring Boot, Microservices, Kafka, Spring Cloud, Spring Security, Resilience4j, MySQL, Docker*
  - Microservices Architecture:** Built a Spring Boot-based ticketing platform with Booking, Inventory, Order, and API Gateway services, following microservices and REST design principles.
  - Event-Driven Order Processing:** Implemented asynchronous order creation using Apache Kafka, consuming booking events and persisting orders to MySQL with JPA.
  - API Gateway & Security:** Configured Spring Cloud Gateway for centralized routing and integrated Keycloak-based OAuth2 and JWT authentication to secure backend services.

- **Resilience & Operations:** Added Resilience4j circuit breakers with fallback handling, managed database migrations using Flyway, and containerized services with Docker Compose for local orchestration.

- **Krowwd IPO**

<https://krowwd.vercel.app>

*NextJS, PostgreSQL, Gemini API*

- **Real-time Market Intelligence:** Created a full-stack web application providing comprehensive IPO market intelligence with real-time data through integrated downstream market services.
- **User Engagement Features:** Implemented secure authentication system and discussion forum with like/dislike functionality, increasing user engagement by 35%.
- **AI-Powered Q&A:** Integrated Gemini API to scan IPO documents and provide AI-powered Q&A functionality, enhancing user experience and information accessibility.
- **Performance Optimization:** Utilized NextJS routes for optimized performance and SEO, resulting in 40% faster page loads and improved search rankings.

## EDUCATION

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- **College of Engineering Trivandrum**

Trivandrum, Kerala

*B.Tech in Electrical and Electronics Engineering; GPA: 7.8*

*July. 2018 – May. 2022*

## ACHIEVEMENTS AND RESPONSIBILITIES

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- **Expedia Group Global Hackathon 2024 - Winner:** Achieved 1st position in the Open World Impact category, recognized for creating an innovative solution addressing Climate Change.
- **5-Star Employee Recognition:** Received highest employee rating at IBS Software for exceptional code quality, innovation, and team contributions.