

RAHUL R K

JAVA DEVELOPER | DEVOPS PROFESSIONAL

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📍 Bengaluru, Karnataka

🌐 [view portfolio](#)

SKILLS

- Core Java
- Spring Boot
- Java Collections
- Java 8
- RESTful API Development
- Hibernate
- Spring Security with JWT
- Exception Handling
- SLF4J with Logback
- Postman
- Third-Party API Integration
- Pagination & Sorting
- YML Configuration Files
- Hibernate Mappings
- OTP-based Login
- Email, SMS, WhatsApp
- Integration
- Apache Kafka
- Spring Actuator
- Spring Profiles
- Multithreading
- Microservices Architecture
- Linux
- Shell Scripting
- AWS (EC2, RDS, S3, IAM, EFS,
- VPC, CloudWatch, SNS, EBS)
- GitHub
- Maven
- Docker
- Jenkins
- Kubernetes
- Terraform
- JIRA
- Agile
- Ansible
- HCL
- Admin Server
- Stream API
- MySql

PROFILE

Java Developer and DevOps Engineer with over 3 years of combined professional and contract experience in backend development, microservices architecture, and cloud infrastructure management. Proficient in Java 8, Spring Boot, Hibernate ORM, and designing robust RESTful APIs with secure JWT and OTP-based authentication via SMS, Email, and WhatsApp. Experienced in CI/CD automation using Jenkins, GitHub Actions, and Docker, alongside container orchestration with Kubernetes. Skilled in managing and provisioning scalable cloud environments using AWS (EC2, S3, RDS, VPC, IAM) and Terraform (Infrastructure as Code). Familiar with Apache Kafka for event-driven communication, and monitoring solutions including Spring Boot Actuator, Prometheus, and Grafana. Strong working knowledge of Linux, shell scripting, and version control with Git. Collaborative Agile team player with hands-on experience using JIRA for sprint management. Delivered impactful solutions in vehicle-sharing and other domains, optimizing performance and ensuring secure, scalable software delivery in both freelance and full-time roles.

WORK EXPERIENCE

- Designed and deployed RESTful APIs using Java 8, Spring Boot, and Hibernate to manage car listings, bookings, and user profiles with full CRUD functionality, pagination, and sorting support.
- Implemented secure authentication flows leveraging JWT and Spring Security, integrating SMS and OTP verification through third-party APIs.
- Developed modular backend microservices for vehicle inventory management, booking processes, and payment handling, integrating Stripe and external services seamlessly.
- Integrated multi-channel notification services via SMS, Email, and WhatsApp APIs for user verification and transactional alerts.
- Built advanced search and filter capabilities with efficient pagination to optimize frontend responsiveness and user experience.
- Managed CI/CD pipelines using Jenkins, GitHub Actions, and Docker to automate build, test, and deployment workflows effectively.
- Provisioned and maintained scalable AWS cloud infrastructure including EC2, S3, RDS, IAM, VPC, and SNS for reliable application hosting.
- Automated infrastructure provisioning using Terraform, ensuring consistent and repeatable Infrastructure as Code (IaC) deployments.
- Utilized Apache Kafka for asynchronous, event-driven communication between microservices to promote system decoupling and reliability.
- Created shell scripts to automate routine server maintenance, log rotation, and deployment tasks, enhancing operational efficiency.
- Optimized MySQL database schemas, queries, and indexing strategies to improve data retrieval speed and transaction throughput.
- Enabled application health monitoring and metrics collection with Spring Boot Actuator, Prometheus, and Grafana for proactive performance management.
- Documented APIs with Swagger/OpenAPI specifications, maintaining clear API contracts in close collaboration with frontend teams.
- Practiced Agile/Scrum methodologies using JIRA for sprint planning, progress tracking, and daily stand-ups to ensure project transparency.
- Maintained disciplined Git workflows including branching strategies, pull requests, and code reviews to support clean, collaborative development.

Java Developer – Freelancer | Second-Hand Car Platform

Feb 2023 – Present

- Developed a robust car search and filter system enabling users to easily find vehicles by make, model, price, location, and fuel type.
- Built a comprehensive CRM system to manage customer profiles, inquiries, bookings, and car inventory with real-time updates.
- Implemented a secure and user-friendly OTP-based login system via Email and WhatsApp for seamless authentication.
- Enabled bulk uploading of car details and photos through Excel sheets, speeding up inventory updates for dealers.
- Integrated Stripe payment gateway to support smooth online transactions for booking and premium listings.
- Created multi-channel notification workflows using SMS, Email, and WhatsApp APIs to keep users informed at every step.
- Designed APIs with pagination, sorting, and filtering for fast and efficient data retrieval.
- Leveraged Spring Boot and Hibernate for scalable backend services with efficient database interactions.
- Employed Kafka messaging for asynchronous event processing, improving system responsiveness and reliability.
- Used Docker and Kubernetes to containerize and orchestrate services, ensuring high availability and easy deployment.
- Managed AWS cloud infrastructure with EC2, S3, RDS, IAM, and CloudWatch using Terraform for Infrastructure as Code.
- Monitored system health and performance via Spring Actuator, Prometheus, and Grafana dashboards.
- Followed Agile development with JIRA for sprint planning and GitHub for version control, ensuring smooth collaboration.

Java Developer – Paycraft, Mumbai

Feb 2022 – Jan 2023

- Developed and deployed RESTful APIs using Spring Boot integrated with Hibernate ORM for CRUD, pagination, and sorting.
- Implemented JWT authentication and Spring Security for microservices authorization and access control.
- Built CI/CD pipelines with Jenkins and Docker, deploying on AWS EC2 for faster and reliable releases.
- Managed AWS infrastructure: EC2, S3, RDS, IAM, VPC, EBS, and CloudWatch.
- Set up SNS for alert notifications and automated scaling events.
- Provisioned infrastructure using Terraform for version-controlled and repeatable deployments.
- Wrote Shell scripts to automate server tasks, log rotation, and deployment processes.
- Used Apache Kafka for reliable, asynchronous message processing across microservices.
- Monitored services using Spring Boot Actuator, Prometheus, and Grafana dashboards.
- Integrated third-party APIs for SMS, Email, and WhatsApp communications and verification flows.
- Followed Agile/Scrum methodologies: participated in stand-ups, sprint planning, and task tracking using JIRA.
- Used GitHub for version control, implementing branching strategies for collaborative development.

Education

Bachelor of Engineering (B.E), Computer Science and Engineering

Visvesvaraya Technological University (VTU) – Karnataka, India

Graduated: 2021