Dinesh Kumar Behera

Title:	Consultant
Location:	Bangalore, India
Languages:	Odia (native), English (fluent)
Email-id :	DINESH-KUMAR.BEHERA@CAPGEMINI.COM
Mobile number:	+91 7019544404

Experience Summary

- 8.5 years of experience in designing, developing, and optimizing scalable software solutions.
- 7+ years of experience in backend development using Java, Spring Boot for building robust and scalable applications.
- 5 years of experience in developing RESTAPIs using Java and Spring boot.
- Hands on experience to write code using Java.
- Hands on experience in J2EE frameworks like Spring Boot.
- Proficient in writing Unit Test cases by using testing tools Junit, Mockito and Rest Assured.
- Hands on experience in Source repository tools GIT.
- Good experience in application builds tools Maven/Gradle.
- Involved in client calls at various levels to getting keen understanding of the Requirements.

KEY SKILLS:

- Programming Languages: Java, J2EE
- Frontend Development: HTML5, CSS3, Adobe XD, Figma
- Backend Development: Spring Boot, Microservices, RESTful APIs, Swagger, Rest Assured, Postman, Concourse, Argo CD, Jenkins
- Database Management: SQL, Data Analysis & Visualization, New Relic, Splunk
- Software Development: Java 1.7 to Java 11 migration
- System Integration & Scalability: RESTful API Development
- Collaboration & Problem-Solving: Cross-functional Teamwork, Agile Development, Requirement Analysis.

Experience

Senior Software Engineer | Capgemini Technology Services
November 2021 – current
Client: Royal Bank of Canada (RBC)
Project: Wealth Management (ROADTOCLOUD)

- ROAD is a web-based application designed to track physical security certificates. Initially developed to meet the needs of RBC's operations and alternative investment group, it has since undergone multiple upgrades to stay current with evolving technology and user requirements. Today, it supports approximately 75 users within the organization.

- There were a growing number of non-compliance issues related to its legacy nature, and concerns were raised about platform flexibility. As a result, both the business and IT decided to identify this application as a candidate for modernization, as part of the US Wealth Management's security and robustness program. The objective of the project was to migrate the application to a modern cloud platform, upgrade its technology stack and address all existing concerns.
- We embarked on a remarkable journey of end-to-end development of the ROAD legacy application. By harnessing the power of Spring Boot microservices and React, we successfully modernized the entire system while delivering unparalleled efficiency and user experience.
- Designed and developed RESTful APIs and Graph QL endpoints to facilitate efficient data exchange between React-based front-end applications and backend microservices. Ensured API consistency, scalability, and high-quality documentation by implementing Open API specifications and utilizing Swagger. Optimized API performance and maintained clean, scalable code to support seamless integration and long-term maintainability.
- Implemented robust security measures using Spring Security, integrating OAuth2 with JWT, and experienced with SAML/Open id Connect, ensuring compliance with financial industry standards and safeguarding sensitive client data.
- Implemented decoupled, resilient systems using messaging queues like Apache Kafka and Rabbit mq, enhancing system responsiveness, Audit, and asynchronous processing capabilities.
- Designed, built, and maintained end-to-end CI/CD pipelines using Jenkins, GitLab CI/CD, and GitHub Actions. Automated build, comprehensive testing (JUnit 5), security scanning (soar, OWASP Dependency-Check), and deployment processes across multiple environments.
- Configured and utilized monitoring tools like Prometheus and Grafana for real-time insights into application performance and system health. Implemented logging solutions using Splunk, Fluent Bit.
- Provided technical guidance, conducted code reviews, facilitated pair programming, and mentored junior developers, fostering a culture of high code quality, collaboration, and continuous learning.

➢ Key technologies: Java, Spring Boot, Microservices, REST, Spring Security, OAuth2, JWT, Apache Kafka, Cassandra, Redis, AWS (EKS, EC2, S3, IAM), Docker, Kubernetes, Terraform, Jenkins, GitHub Actions, Prometheus, Grafana.

Senior Software Engineer | WIPRO Technology
March 2018 – September 2021

- Contributed significantly as a Senior Developer to an automated network operations platform that streamlined commissioning and management of network equipment (routers, switches), replacing manual workflows to drastically reduce errors and operational time.
- Designed and built the backend microservices architecture using Spring Boot, deploying containerized applications on AWS; developed robust REST APIs capable of handling high volume network configuration requests.
- Modernized network device management practices by implementing standardized configuration models, transitioning away from manual CLI commands towards more reliable, automated processes.
- Enhanced application responsiveness and performance through strategic caching implementations and database query optimization.
- Established robust CI/CD pipelines enabling frequent and reliable feature delivery; implemented comprehensive monitoring and logging solutions for rapid identification and resolution of production issues.

- Enabled automated provisioning capabilities, directly supporting transition towards next generation
  network architectures.
- Led an Agile development team, coordinating sprint activities to ensure on-schedule delivery of quality features, and improved incident response processes for faster issue resolution.
- Reduced average provisioning time by over 65%, improving deployment speed and operational efficiency across multiple network teams.

Senior Software Engineer | Ascendum Solutions
November 2017 – January 2018
Senior Developer | Client: Volvo Trucks
Project: Diagnostic Trouble Codes (DTC) Management System

- Served as a Senior Developer on Volvo's global diagnostic platform, enhancing the automation of fault code interpretation and troubleshooting workflows.
- Designed and architected the system's core using a microservices approach with Java/Spring Boot and Hibernate, deployed in Docker containers orchestrated by Kubernetes (AWS EKS & Azure AKS).
- Developed REST APIs to ensure seamless data exchange between the new platform and legacy vehicle ECU/dealer systems; utilized Graph QL for complex diagnostic data queries.
- Optimized system performance via database query tuning and caching implementations; established CI/CD pipelines with automated testing to enable frequent and reliable production releases.
- Integrated key technologies including Kafka for real-time truck telemetry streaming (engine RPM, fault codes), Elasticsearch for enhanced logging and diagnostics visualization, and robust OAuth2/JWT security (AWS KMS signed) alongside role-based access controls.
- Deployed the multi-cloud solution across AWS (EC2, Lambda, S3) and Azure (Functions, Blob Storage) to ensure high scalability and meet EU data residency regulations.
- Contributed to the development of predictive diagnostics features and utilized AWS IoT Green grass for specific on-board vehicle data processing tasks.
- Collaborated within the Agile team, translating requirements into technical solutions and creating comprehensive documentation and training materials for engineering teams.

➢ Key technologies: Java, Spring Boot, Hibernate, Microservices, Docker, Kubernetes, RESTful APIs, Caching, CI/CD, Automated Testing, Logging, Monitoring.

Senior Software Engineer | Quess Corp
September 2016 – September 2017
Client: West Corporation (WEST)
Project: Meridian Data Provisioning System

- Developed a multilingual intranet application that significantly enhanced global data provisioning capabilities and internal collaboration.
- Designed and implemented a scalable, fault-tolerant microservices architecture using Spring Boot and React, ensuring high application availability.
- Developed secure and efficient RESTful APIs with Spring Boot for reliable data exchange between microservices.
- Built responsive, dynamic front-end interfaces using front end technology to improve user interaction and streamline data delivery across global

- Collaborated effectively with both technical and non-technical stakeholders to translate complex business needs into actionable technical specifications.
- Contributed to operational stability by resolving production issues and implementing necessary fixes and improvements.
- Implemented JWT-based authentication across microservices to safeguard sensitive emergency communication data and user credentials.
- Optimized database performance for high-volume transactions by designing effective PostgreSQL schemas and implementing proper indexing and query tuning.
- Established a clear API versioning strategy to maintain backward compatibility throughout system upgrades and feature rollouts.
- Developed an automated testing framework using JUnit , achieving 85% code coverage for critical microservices and enhancing code quality.

➢ Key technology: Java, Spring Boot, Microservices, REST API, Hibernate, Oracle, PostgreSQL, Elasticsearch, JWT, JUnit.

Higher Education

- **BIJU PATNAIK UNIVERSITY, Bhubaneswar - Bachelor of Engineering**
  - Computer Science engineering , 07/2012.