

Kamlesh Singh

| Total Experience | Phone | Email ID | Linked ID |
|------------------|---------------|----------------------------|---|
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Career Objective

To leverage my 10+ years of expertise in Java, Spring Boot, and microservices modernization to build scalable, cloud-native systems and Event based systems. Seeking an Architect role where I can drive modernization initiatives, simplify complex architectures, and deliver high-impact solutions using cloud, DevOps, and AI-assisted engineering practices.

Professional Summary

- Seasoned Backend Engineer with 10+ years of experience specializing in Java, Spring Boot, and scalable microservices architectures for enterprise-grade systems.
- Expert in designing and implementing distributed systems leveraging Spring Boot, domain-driven design, and API-first development principles.
- Proven expertise in event-driven architectures using Azure Event Hub, Service Bus, and Kafka for high-throughput, real-time workflows.
- 5+ years of experience modernizing legacy monoliths into microservices, ensuring clean separation of domains and seamless integration.
- For the last 2 years, contributed as an Associate Architect driving large-scale modernization - breaking down legacy monoliths into domain-aligned microservices, defining solution architectures, integration patterns, and ensuring high-quality technical design across teams.
- Developed an Agentic AI PoC using Spring boot, Java, Groq (LLaMA-3), OpenAI GPT models, and Ollama-based LLMs.
- Strong hands-on experience with Azure cloud services (Event Hub, Service Bus, Blob Storage, App Services), complemented by AWS and PCF exposure.
- Skilled in containerization and orchestration using Docker, Kubernetes, and Strimzi for enterprise-scale deployments.
- Delivered mission-critical modules such as **Payment Modernization**, orchestrating payment initiation, authorization, settlement, and reconciliation workflows.
- Adept at performance tuning, root cause analysis, and optimizing legacy code to align with modern clean-code and observability standards.
- Regularly leverage AI tools (GitHub Copilot, MCP Server) to accelerate development, generate test cases, and boost engineering velocity.
- Excellent collaborator with architects, designers, and cross-functional teams to solve complex integration and modernization challenges.

Awards and Achievements

- I was awarded a spot award for the NEC Industrial IoT project in the NEC Company.
- Awarded as best contributor in Info-Gain for FedEx project.
- Awarded thrice consecutively for Spot Award in EY GDS.

Technical Skills

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| Languages | CORE JAVA/J2EE, Python |
| Technologies | JDK 1.5- 1.8, J2EE (JSP), JDBC, Kafka, Event Hub |
| Frameworks | Spring, Hibernate, MyBatis |
| Scripts | Python, Shell-Script |
| Tools/Editor/IDE | Eclipse, IntelliJ, STS, Splunk, Grafana, Jenkins, GIT-Hub Actions, Docker, Kubernetes |
| Databases | MSSQL, MYSQL, Postgres, Document-DB, MongoDB |
| Patterns/Standards | Spring MVC, Spring Boot, Microservices |
| Cloud Platform | Azure, AWS, Predix, PCF |
| Open-Source Platform | Docker Container, Kubernetes, Rancher, PCF, OKTA, O-Auth2.0 |
| AI Tools | MCP server Integration, Github Copilot |

Work History

| Company (Location) | Description | Duration | Used Technologies |
|--|---|---------------------|---|
| EY GDS (Noida, India) | EY GDS is a Global workforce that is utilized for clients across the globe. | Dec/2021-Present | Java, Spring-Boot, Microservices, Rest API Azure, GitHub-Actions, GitHub, MongoDB, Event Hub |
| Info-Gain (Noida, India) | The Silicon Valley based company deals in digital platform and software engineering. | Sep/2020-Dec/2021 | Java, Spring-Boot, Azure, Jenkins, Python, Terraform, GITLAB, Splunk, Grafana, Microservices, Event Hub |
| NEC Technologies India (Noida, India) | A Japan based company which deals in the business of providing software services and smart IoT solutions for India and Global market. | May/2018-Sep/2020 | Azure, AWS, Docker, Kubernetes, Rancher, Postgres, Python, Shell-Script, Ansible, Git, Microservices, Event Hub |
| Skill Lotto Solutions Private Limited (Gurgaon, India) | It is a part of Sugal & Damani Group which has varied business interests including Payment Services, Information Technology, Lotteries and Gaming, Hospitality, Real estate & Infrastructure. | May/2017-April/2018 | Rest-API, J2EE (JSP), Spring, Hibernate, MSSQL, Java-Script, Maven |
| Wheebox (Gurgaon, India) | A product based, online assessment company. | Feb/2015-May/2017 | Java, Spring, Hibernate, AJAX, MYSQL, Tomcat, SVN, Maven |

Education

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| High School Govt Inter College- Almora | 2007 |
| | 57% |
| Inter Mediate Govt Inter College- Almora | 2009 |
| | 58.40% |
| Bachelors in Computer Application Amrapali Institute of Management & computer application- Haldwani | 2012 |
| | 68% |
| Master of computer application Vivekananda Institute of Professional studies-Delhi | 2015 |
| | 82% |

Project Undertaken

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| Client - Payment Module | EY GDS |
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Description: A mission-critical payment system modernization project converting a tightly coupled monolith into domain-driven microservices on Azure. Built end-to-end payment flows including initiation, authorization, settlement, and reconciliation with Kafka-based event orchestration, fault tolerance, idempotency, and scalable CI/CD pipelines.

Environment: Java, Spring-boot, Rest API, Postgres, Strimiz/Kafka, Docker Kubernetes

Role Description:

- Owned backend architecture and implementation end-to-end of Spring boot services.
- Designed microservices using DDD, API-first design, and event-driven patterns.
- Implemented idempotent payment execution, Retry and CQRS for high-scale workflows.
- Integrated with payment gateway, settlement service, and notification microservices.
- Built CI/CD pipelines using ADO; automated test suites using AI tools.
- Improved transaction throughput, latency, and observability across the module.
- Designed Kafka based Notification system for transaction management.

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| EY GDS In-House Product | EY GDS |
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Description: Effectively decomposing the monolith into independently deployable microservices. Utilized technologies such as containerization and orchestration frameworks to enhance scalability, maintainability, and fault tolerance.

Environment: Java, Spring-boot, Azure, Rest API, Graph, GitHub, Config Server, MongoDB, Postgres, Kafka

Role Description:

- Designed and implemented REST API and an efficient Inter Service communications.
- Designed GraphQL APIs and implemented pool-based multi threading approach for fetching data.
- Designed SAGA and Circuit Breaker Microservice pattern in the System.

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| EY GDS Client | EY GDS |
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Description: Migration of on-premises Java based application to Azure Cloud platform and upgradation of legacy application to microservices. Upgradation of monolith application to Microservice based solution.

Environment: Java, Spring-boot, Azure, GitHub Actions, Rest API, Git, Event Hub

Role Description:

- Updated source code base in alignment with platform requirements, ensuring compatibility.
- Prepared and optimized CI/CD pipelines to facilitate efficient and automated deployment processes.
- Contributed as a backend resource in Agile development, actively participating in iterative application development cycles.
- Applied advanced debugging techniques and problem-solving skills to address complex issues, enhancing overall system robustness and performance.

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| FedEx Cloud Support | Info-Gain India |
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Description: FedEx cloud support is an end-to-end system containing many technologies like JMS queue, Kafka, Spring-boot based microservices deployed in PCF and Azure resources.

Environment: Java, Spring-boot, PCF, Jenkins, GITLAB, Azure PaaS, JMS, Microservices

Role Description:

- Optimize memory and enhanced Pub/Sub based Spring Boot microservice code
- Design in-memory buffer for an efficient consumption of Events from Kafka
- Designed Retry, Batching, Circuit breaker type of Microservice Pattern to resolve production issues.
- Provided knowledge-sharing sessions.

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| CSP-FIWARE | NEC Technology |
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Description: FIWARE is a curated framework of open-source platform components to accelerate the development of Smart Solutions. In CSP-FIWARE, we are providing container based FIWARE solutions orchestrated by Kubernetes.

Environment: Docker, Kubernetes, Rancher, Java, RestAPI, SpringBoot, Microservices.

Role Description: To make FIWARE's enablers compatible with Docker and Kubernetes environments.

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| NEC Industrial IoT | NEC Technology |
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Description: It was an existing on-premises based solution and we have to migrate the entire application into a multi cloud platform. It takes data from sensors and uses it for business analytics.

Environment: Java, Spring, MyBatis, Postgres, Azure, AWS.

Role Description:

- We designed and modified applications in a way that solution can be compatible with any cloud platform.

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| AIVI Application | NEC Technology |
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Description: It is an artificial intelligence visual inspection application which helps in identifying the correctness of things using analytic application.

Environment: Servlet, PostGres, JSP, Javascript.

Role description:

- Made modifications in the existing application to execute on the different cloud platforms like Azure, AWS Predix and Minio.

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| GST, EWAY | Skill Lotto Solutions |
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Description: Providing a portal-based solution to the end user to file their monthly/quarterly returns and communicate with the GSTN system through provided APIs.

Environment: Spring, Hibernate, MSSQL, Tomcat

Role Description:

- Build the project and design many possible robust databases, used procedures to fine/tune the performance of the system.
- Modification and adding new features in the system as per GST system changes or new released APIs.
- Code optimization and find the ways to short the TAT of selection data queries.

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| Admin Portal | Skill Lotto Solutions |
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Description: Provided a JSP based monitoring and access control system to manage different companies/white -labels data and services given our company.

Environment: Spring, Hibernate, MSSQL, Tomcat, JSP, JavaScript, AJAX

Role Description:

- Build the project and provide the user hierarchy to control the data access system.

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| Crafting Future | Wheebox |
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Description: Crafting Future project was for autistic kids and based completely on analytics, as it was, so we must maintain their growth very accurately based on data provided by their parents.

Environment: JSP, Spring, Hibernate, MYSQL, Tomcat, AJAX

Role Description:

- Build the entire project from scratch along with database design.
- Modification and adding new features in the system as per the client needs.

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| HDFC Smart Achievers | Wheebox |
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Description: It was a portal to recruit sales candidates in HDFC. Portal used to have many user-admin based on their management hierarchy to upload, view and filter the candidate's data and filter out the best the best.

Environment: JSP, Spring, JDBC, MYSQL, Tomcat, AJAX

Role Description:

- Modification and adding new features in the existing system as per the client needs.
- Enhancement and code optimization to make the system robust.

I, Kamlesh Singh, declare that the above information is correct and true as per my knowledge.

Place: Delhi NCR

(Kamlesh Singh)