

# VIVEK KUMAR KARN

Full Stack Java Developer

## Contact

📍 Current - WFH, India  
📍 Permanent - Madhubani, Bihar, India  
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⌚ Notice Period - 3 Month

## Links

🌐 www.vivekkarn.com  
🐙 github.com/vivekkrkarn/  
🌐 linkedin.com/in/vivek-kumar-karn-52511519b/  
🐦 @mevkk

## </> Programming Skills

Spring Cloud ●●●●○	Spring Boot ●●●●○
Microservices ●●●○○	Angular ●●●○○
Docker ●●●○○	Aws / Azure ●●●○○
RabbitMQ ●●●○○	JavaFx ●●●●○
MySQL ●●●○○	TypeScript ●●●○○
Git ●●●●○	Core Java ●●●●○
Spring Security ●●●○○	Camunda BPMN ●●●○○

🎂 Date of Birth - 29/09/1992  
🇮🇳 Nationality - Indian  
♂️ Sex - Male



## 🙋 About Me

Hi, I am a Full Stack Java Developer from India with 4 years of overall experience, including 2 years of dedicated experience in developing Microservices using Spring Boot and Spring Cloud.

I focus on building scalable and resilient microservices, leveraging the power of Spring Cloud to handle api-gateway, service discovery, configuration management, circuit breakers and more.

My expertise includes developing cloud-native REST APIs, web applications, and cross-platform desktop applications using Spring Boot and JavaFX. Additionally, I have experience in designing and implementing workflow applications using Camunda.

I love Java, but can pick-up any framework or language and get my work done !

## 🏆 Awards & 🎓 Education

🎓 Camunda 7 - Platform for Java Developers  
🎓 Docker & Kubernetes : The Complete Guide - Udemy  
🎓 Angular The Complete Guide (2021 Edition) - Udemy  
🏆 Excellent Performance In Team - ( Certificate Of Appreciation ) - (SBL Corp) - Nov - 2020  
🎓 MCA - (Swami Vivekanand Subharti University)  
🎓 BCA - (IGNOU)

## 🗣️ Languages

English > Fluent                      Hindi > Mother Tongue

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# Experience

 Software Engineer - Full Time ( 02 - May - 2023 - Current )

 Company - INDIUM SOFTWARE (INDIA) PRIVATE LIMITED

 Project - ALE (Alternative Lifecycle Engine)

ALE is a cutting-edge microservices-based platform tailored for the unique needs of alternative investment management. With a focus on scalability, reliability, and adaptability, ALE is designed to simplify and streamline the complex processes inherent in managing alternative investments.

 Tech Stack -

Spring Boot, Spring Cloud, Kafka, Zipkin, Microsoft SQL Server, Java etc.

 My Roles & Responsibilities -

(a) Java Developer: Leveraged expertise in Java development across the entire stack to design, develop, and deploy ALE.

(b) Microservices Architecture Design: Played a pivotal role in designing and implementing the scalable microservices architecture using Spring Boot and Spring Cloud.

(c) Kafka Integration: Contributed significantly to integrating Kafka for efficient event-driven communication between microservices.

(d) Configuration Management: Utilized Spring Cloud Config Server for centralized configuration management, ensuring easy and efficient updates.

(e) Fault Tolerance: Implemented robust fault tolerance mechanisms such as circuit breakers and retries to enhance system reliability.

(f) RESTful API Development: Designed and developed RESTful APIs for external consumption, ensuring secure and efficient communication.

(g) Integration with Existing Systems: Worked on integrating ALE seamlessly with the existing systems, ensuring minimal disruption.

(h) Unit and Integration Testing: Developed unit and integration tests to ensure high code quality and robustness of the system.

(i) Code Reviews and Feedback: Actively participated in code reviews, providing valuable feedback and suggestions for improvements.

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# Experience

 Software Engineer - Full Time ( 02 - May - 2023 - Current )

 Company - INDIUM SOFTWARE (INDIA) PRIVATE LIMITED

## Project - Camunda Intregation With Mendix

The "Camunda Integration With Mendix" project aims to establish a Mendix-based governance layer on top of Camunda BPM (Business Process Management). This strategic initiative combines the capabilities of Camunda's powerful process automation engine with Mendix's low-code development platform to create a comprehensive solution for managing and optimizing business processes.

## Tech Stack -

Spring Boot, PostgreSQL, Camunda BPMN, Mendix, Java 11 etc.

## My Roles & Responsibilities -

(a) Integration Design: Collaborate with the project team to design the integration architecture, ensuring it aligns with the requirements and goals of the project.

(b) Camunda Configuration: Configure Camunda BPM for optimal performance, including setting up workflows, tasks, timers, and event listeners as required by the project.

(c) Process Modeling: Develop and maintain process models using Camunda's modeling tools, ensuring they accurately represent the desired workflows and automation logic.

(d) API Integration: Implement API integrations between Camunda and other systems or databases, allowing for seamless data exchange and interaction with external services.

(e) Testing and Debugging: Conduct thorough testing of Camunda processes, identify and debug issues, and work closely with quality assurance teams to resolve defects.

(f) Collaboration: Collaborate with other project team members, including Mendix developers, to ensure smooth integration and alignment between Camunda and Mendix components.

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# Experience

 Software Engineer - Full Time ( October 2022 - 25 April 2023 )

 Company - Mindteck, Bengaluru, India

 Client - Johnson Controls, (For Beeah), Dubai

 Project - Beeah Workflow App

Beeah Workflow Engine is an application which is used to execute/control process flows in Beeah Smart Building Solution, which integrates camunda BPMN Engine, spring boot, and multiple BPMN processes are deployed on it. When any particular BPMN process is triggered, it starts desired process flow which acts accordingly on provided data.

 Tech Stack -

Spring Boot, PostgreSQL, Camunda BPMN, Azure EventHub, Java 11, Docker etc.

Deployment - Azure Devops, Kubernetes, Helm Chart

 My Roles & Responsibilities -

- (a) Managing and mentoring juniors to work on with camunda BPMN Engine with spring boot.
- (b) Debugging and fixing an existing BPMN process which triggers multiple other apps in the solution
- (c) Implemented Azure Event Hub for message publishing, Camunda Topic Listener etc.
- (d) Developed, tested and delivered multiple new BPMN Processes.

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 Software Engineer - Full Time ( 17- Jan 2022 - Sep 2022 )

 Company - Mindteck, Bengaluru, India

 Client - Johnson Controls, (For FIFA), Qatar

 Project - Orchestration Workflow Engine

Orchestration Workflow Engine is an (in premises) application which is used to control FIFA Football Stadiums, which integrates camunda BPMN Engine in it, using spring boot, and multiple BPMN processes are deployed on it. When any particular BPMN process is started, it sends relevant data to "Orchestration Workflow SOP Execute" app, which acts accordingly on provided data.

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# Experience

## Tech Stack -

Spring Boot, PostgreSQL, Camunda BPMN EE, Azure AD authentication, Java 11, Docker, Docker Compose, etc

## Project - Orchestration Workflow SOP Execute

"Orchestration Workflow SOPEXecute" is an application which will run along side of "Orchestration Workflow Engine " and will listen for incoming external topic requests from hosted BPMN processes, will load required data from connected MongoDB or other Microservices and send it back to Workflow Engine to proceed further or finally send it to rabbitmq, from where installed devices in the stadium will receive it and act accordingly.

## Tech Stack -


Spring Boot, Mongo DB, RabbitMQ, Camunda BPMN EE Topic Listener, Java 11, etc

Deployment - Both projects were using Kubernetes, Helm Chart

## My Roles & Responsibilities -

- (a) Started these applications from scratch and did R&D for both projects.
- (b) Implemented Camunda BPMN EE, Azure AD authentication, Camunda Topic Listener etc.
- (c) Developed, tested and delivered multiple modules.
- (d) Developed BPMN processes to deploy on Orchestration Workflow Engine and corresponding modules in "Orchestration Workflow SOPEXecute" to control various devices in stadium.

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 Software Developer - Full Time ( January 2020 - 07-January 2022 )

 SBL Corp, Kochin, Kerala, India

## Projects - eParliament™

eParliament™ is an e-Governance solution by SBL to transform day-to-day operations of Legislative Bodies including Parliament of the country and related departments into a more efficient and transparent process. It is a multi module project, including several microservices, message broker, web and desktop apps.

## Tech Stack -

Spring Boot, MySQL, Hibernate, Angular, RabbitMQ, Javafx, Java 11, oauth2 etc


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## Experience

### My Roles & Responsibilities -

- (a) Migrated all spring boot microservices, and Javafx desktop applications from Java 8 to Java 11 LTS.
- (b) Migrated Angular apps from Angular 6 to 8.
- (c) Debugged spring boot microservices, Javafx apps and Angular Frontends.
- (d) Developed new modules in microservices.
- (e) Migrated some of the desktop apps to microservices as rest apis and their corresponding Angular apps.
- (f) Implemented fingerprint login in apps using MANTRA SDK and HID DIGITAL PERSONA SDK
- (g) Implemented messaging between microservices using RabbitMQ.
- (h) Implemented Camunda BPMN in Spring Boot microservices. Etc

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 College Management System For Government Colleges of Magadh University, BodhGaya (Freelance),  
Demo Video Url - <https://youtu.be/GxWzqpCtXq0>

### My Roles & Responsibilities -

Developed a full fledged cross platform desktop application for day to day needs of a college, such as admission, courses, fee management, inventory etc written in Javafx and other libraries like OrmLite, JFonix, ControlsFx, Sqlite, JasperReports, sarxos/webcam-capture etc as a solo developer.

 [www.ignoubritish.in](http://www.ignoubritish.in) (Freelance)

### My Roles & Responsibilities -

Developed Website of the IGNOU Program Study Centre, Muzaffarpur as a solo developer.

 [www.idpslauhaha.org](http://www.idpslauhaha.org) (Freelance)

### My Roles & Responsibilities -

Developed Website of the International Delhi Public School, Laukaha as a solo developer.

 Want to see more projects, visit <https://vivekkarn.com/>