

# BHARGAV KUMAR KALVAKUNTLA

## JAVA FULL STACK DEVELOPER

561-235-9390 | [kalvakuntlabhargavkumar@gmail.com](mailto:kalvakuntlabhargavkumar@gmail.com) | [LinkedIn](#)

### SUMMARY

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- Java Full Stack Developer with 5+ years of experience in designing, developing and deploying robust, scalable web applications.
- Proficient in leveraging Java, Java EE, Spring Boot, Spring Data JPA, Spring MVC and Hibernate for complex backend solutions, including microservices architecture, RESTful APIs and secure authentication with Spring Security, JWT and OAuth2.
- Expertise extends to asynchronous event-driven systems using Kafka, containerization with Docker and Kubernetes and cloud deployment on AWS EC2.
- Adept at crafting dynamic, responsive frontend interfaces with React, React.js, Angular, TypeScript, HTML, CSS and Bootstrap, integrating seamlessly via RESTful APIs.
- Skilled in data management with MySQL, utilizing JPA for optimized persistence.
- Committed to ensuring code quality and reliability through comprehensive testing with JUnit, Selenium and Mockito and managing source control with Git, GitHub and GitLab.
- Applies strong understanding of design patterns like Factory, Singleton and Strategy to deliver high-performance, maintainable and secure full-stack solutions.

### TECHNICAL SKILLS

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<b>Front-End Technologies:</b>	HTML, CSS, Bootstrap, Material UI, JavaScript, Typescript, ES6, React JS, Redux, React Hooks, Angular JS, Tailwind, XML, JSON, YAML, Bootstrap, PHP, Laravel
<b>Back-End Technologies:</b>	Node JS, Express JS, Django, Flask, RESTful API, Webservice, Microservices, Spring Boot, Spring MVC, Spring Data JPA, Hibernate ORM, Kafka, Spring Security, Kubernetes.
<b>J2EE Technologies:</b>	Servlets, JSP, JDBC, JUNIT, JMS, Maven, Multi-threading
<b>Languages:</b>	C#, C++, Java, Python
<b>Methodology:</b>	Waterfall, Agile Scrum, Agile Kanban
<b>IDEs:</b>	NetBeans, IntelliJ IDEA, Eclipse, VS code
<b>Web Services:</b>	RESTful, SOAP,
<b>Databases:</b>	SQL, MongoDB (NoSQL), PostgreSQL, MySQL, Firebase, SQLite, Graph QL
<b>CI/CD &amp; Tools:</b>	Jenkins, Code Ship
<b>Testing tools:</b>	Mockito, React Testing Library, Jest
<b>Cloud &amp; Deployment:</b>	AWS, Azure, Docker, GCP
<b>Web Server:</b>	Apache Tomcat, WebLogic
<b>Other Tools:</b>	Jira, Git, SVN, Ant, GitHub, Gitlab, Bitbucket, Swagger/Open API, .Net, Confluence
<b>Operating Systems:</b>	Windows, LINUX, Mac OS, UNIX

### PROFESSIONAL EXPERIENCE

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#### Capital One, Remote | Jul 2023 – Present

##### Java Full Stack Developer

- Enhanced the efficiency of credit card application workflows by leveraging Java EE for backend solutions and React for dynamic frontend interfaces, resulting in faster processing times and improved user experience.
- Utilized Spring Boot's capabilities to construct RESTful APIs, streamlining the creation of API endpoints and enhancing system interoperability, which reduced development time and increased system efficiency.
- Leveraged JPA to implement efficient data access and persistence strategies for critical banking and finance applications, optimizing database operations and ensuring data integrity, which improved data retrieval speed and accuracy.
- Employed React components and directives to create a modular frontend architecture, fostering code reusability and simplifying maintenance, which led to easier updates and reduced development costs.
- Developed highly responsive, type-safe frontend interfaces using React with TypeScript, enhancing application scalability, maintainability and reducing type-related bugs during development.
- Implemented advanced Hibernate features, such as caching and batch processing, which optimized database interactions and improved the performance of high-volume transaction systems within banking applications.
- Leveraged MySQL's support for JSON data types and functions to effectively manage semi-structured data, resulting in flexible data modeling and storage solutions.
- Utilized AWS EC2, S3, AKS instances for hosting and deploying both backend and frontend components, ensuring high scalability and availability of the application.

- Conducted comprehensive unit, integration and UI testing using JUnit, Selenium and Mockito, ensuring code quality, system reliability and a seamless user experience through automated regression test suites.
- Engineered robust authentication and session management workflows using Spring Security with JWT tokens and OAuth2, ensuring secure, scalable and stateless access control across microservices handling sensitive financial transactions.
- Deployed Kafka-based asynchronous event-driven architecture on Kubernetes clusters for real-time processing of transaction events, integrating Prometheus and Grafana to monitor system metrics, latency and throughput, ensuring 99.9% availability.
- Architected microservices utilizing established design patterns (Factory, Singleton, Strategy) combined with Role-Based Access Control (RBAC), enforcing granular authorization rules aligned with Capital One's compliance standards for user entitlements in banking applications.

## **Genpact, India | June 2019 - July 2022**

### **Java Full Stack Developer**

- Developed a comprehensive web application utilizing Spring Boot, Hibernate, React.js, MySQL and Docker to analyze and visualize GitHub data, improving data processing efficiency by 30%.
- Facilitated seamless communication between front-end and back-end systems via RESTful APIs, leveraging HTTP and Spring Boot, ensuring optimal data transfer and reducing latency by 100 ms.
- Engineered scalable and maintainable back-end solutions for single-page applications (SPA) using Java and Spring Boot, enhancing system performance and scalability.
- Designed and implemented RESTful API endpoints using Spring MVC and Spring Data JPA, integrating database solutions through Hibernate to optimize query performance by 25%.
- Delivered full-stack solutions by integrating React.js and Spring Boot, ensuring responsive and dynamic web applications with JSON and XML data interchange.
- Managed and collaborated on source code repositories using Git, resolving version control issues and merging conflicts with cross-functional teams on GitHub and GitLab.
- Collaborated with cross-functional teams to implement scalable architectures, utilizing Spring framework features like Spring Data JPA for efficient database operations.
- Implemented secure and efficient API integrations between front-end and back-end components following RESTful design principles, ensuring smooth data flow and system security.
- Modernized and upgraded front-end components using HTML, CSS, Bootstrap, TypeScript and Angular CLI, improving web application responsiveness and user experience by 20%.
- Developed reusable Angular components and services using TypeScript, ensuring maintainable, scalable and type-safe front-end architecture across multiple modules.
- Integrated Angular Reactive Forms and RxJS Observables for real-time form validations and asynchronous data handling, enhancing user experience and application responsiveness.
- Deployed Dockerized microservices on Google Cloud Platform (GCP) using Cloud Run, Cloud SQL, and GKE, enabling high availability, seamless CI/CD integration, and reducing infrastructure overhead by 40%.

## **EDUCATION**

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**Master's in Computer Science** - Florida Atlantic University, Boca Raton, FL

**Bachelor's in Computer & Engineering** - Jawaharlal Nehru Institute of Technology, Hyderabad, India