

# Kavin Periyasamy | Full Work Rights

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## SUMMARY

Software Developer with 4 years of experience in building scalable data pipelines and web applications. Experienced in Java, Spring Boot, and data processing systems with hands-on expertise in RESTful APIs, Apache Kafka, Apache NiFi, and database management (SQL & NoSQL). Strong background in designing efficient data flows and optimizing system performance. Comfortable working in agile teams while maintaining high code quality and system efficiency.

## EXPERIENCE

Cleverex Technology (Nokia/Optus, Sydney)      March 2023 - Feb 2025  
**Software Developer and L3 Support**

### **Project 1: Padlock (Access Management System)**

**Technologies:** Java, Spring Boot, Microservices, REST API, Apache Kafka, Selenium WebDriver (RPA), LDAP Server, Script Adaptor, MySQL, MongoDB

- Developed RESTful APIs using Java and Spring Boot for user authentication and authorization workflows.
- Designed and implemented a microservices architecture, enhancing modularity and system maintainability.
- Automated request processing with Selenium WebDriver, Linux scripts, and LDAP server integration.
- Built Kafka producers and consumers to handle asynchronous data processing for access requests.
- Developed a scalable microservices architecture for improved data flow and system maintainability.
- Implemented data-driven authentication workflows using Java and Spring Boot.
- Provided L3 support, troubleshooting production issues, analyzing logs, and ensuring quick resolution.

### **Project 2: Tupolev (Tower Management System)**

**Technologies:** Apache NiFi, Java, Spring Boot, Groovy, MongoDB, MySQL, AWS

- Architected and implemented robust data pipelines using Apache NiFi to process and transfer large datasets between base servers and AWS.
- Optimized data flow performance, reducing processing time by [add percentage if known]
- Migrated microservices-based workflows to Apache NiFi for improved scalability and data processing efficiency.
- Created custom NiFi processors in Java to handle complex data transformation requirements.
- Designed and optimized MongoDB schemas for efficient storage of large datasets, reducing query response time.
- Implemented data validation and error handling mechanisms to ensure data integrity throughout the pipeline.

- Monitored AWS services to maintain system reliability and minimize data processing downtime.

#### **Cross-Project Responsibilities:**

- Worked closely with clients to translate requirements into technical solutions.
- Contributed to agile development, participating in daily standups and sprint planning.
- Performed code reviews, ensuring high-quality, maintainable code across projects.
- Debugged production issues, reducing resolution time through proactive monitoring.

## **SSB Software Solutions Pvt Ltd Software Developer**

Feb 2021 - Dec 2022

### **Project 1: VitalSoft (Hospital Management System)**

**Technologies:** Java, Spring MVC, AngularJS, MySQL, Jasper Reports

- Developed the VitalSoft application to manage patient and doctor details efficiently.
- Enabled doctors' shift tracking and appointment booking features.
- Designed modules for patient profile management, including medical legal cases, inpatient/outpatient entries, consulted doctors, admission details, and lab report auto-sync.
- Implemented hospital bed and operation theater management functionalities.
- Developed notification features for sending offers and medical report status updates to subscribed patients.
- Contributed to maintenance, bug fixes, and minor enhancements to improve application performance.

### **Project 2: SkillSort (Online Exam Portal)**

**Technologies:** Java, Spring Boot, ReactJS, PostgreSQL

- Built the UI/UX for the SkillSort online exam portal.
- Developed user account creation and authentication modules.
- Designed an automated exam system that generates programming questions, validates responses, filters eligible candidates, and matches them with suitable companies.
- Integrated an online compiler with Java language support for real-time code execution.
- Enabled custom Java programming round question uploads for assessments.

## **Skills**

- **Back-end:** Java, Spring Boot, Microservices, RESTfull API
- **Front-end:** React JS, Angular JS, HTML, CSS, Tailwind UI
- **Databases:** MySQL, PostgreSQL, MongoDB
- **DevOps & Tools:** Docker, Apache Kafka, Apache NiFi, Linux, Shell Scripting, AWS
- **Application Support & Troubleshooting:** Debugging database issues, log analysis
- **Version Control & Deployment:** Git, CI/CD pipelines

**Education** - Anna University, Chennai - 2020 - Bachelor of Engineering