Nitin Kumar

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Professional Summary

Java Software Engineer with over 5 years of experience in developing scalable applications using **Java (8/11/17), Spring Boot**, and modern front-end frameworks like **React.js and Angular**. Experienced in building **microservices and RESTful APIs** to automate **financial and healthcare** processes. Proficient in cloud computing with **AWS (EC2, Lambda, S3, RDS)**, containerization using **Docker and Kubernetes**, and automating **CI/CD** pipelines with Jenkins. Skilled in database management **(PostgreSQL, MySQL, MongoDB)** and implementing caching strategies with **Redis** to enhance performance. Adept at ensuring secure application architecture using **OAuth2 and JWT** for authentication and authorization. Strong background in **agile development methodologie**s and **cross-functional team** collaboration to deliver high-quality, scalable solutions.

#### Technical Skills

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| **Languages:** | Java 8, Java 11, Java 17, JavaScript, TypeScript |
| **Back-End** | Spring Boot, Spring MVC, Spring Cloud, J2EE, Node.js, Hibernate, JPA |
| **Front-End** | HTML5, CSSS, AJAX, JSON, RESTful APIs |
| **Databases** | MySQL, PostgreSQL, MongoDB, Redis |
| **API & Integration** | RESTful APIs, GraphQL, Kafka, OAuth2, JWT, Third-party API Integration |
| **Cloud & DevOps** | AWS (EC2, Lambda, RDS, SQS), Azure, Terraform, Docker, Kubernetes, Jenkins, Git, Maven |
| **Testing** | JUnit, Mockito, Postman |
| **Architecture & DevOps** | Microservices, Event-driven architecture, CI/CD, Git, Jenkins, Maven, Docker, Multithreading, Caching strategies |
| **Security** | OAuth2, JWT, Spring Security, Role-based Access Control, Data Encryption, HIPAA, GDPR |
| **Methodologies** | Agile (Scrum), TDD, SDLC |
| **Others** | Performance Tuning, Code Refactoring, Legacy Modernization |

**Work Experience**

**Java Software Engineer | Luma Financial, Cincinnati, OH Aug 2024 - Present  
Responsibilities**

* Designed and developed scalable applications using **Java 11/17**, **Spring Boot**, and **J2EE** to automate key financial processes, increasing efficiency by 20%.
* Built and maintained **RESTful microservices** with **Spring Boot** and **Spring MVC**, integrating external data sources for real-time financial transaction processing.
* Created dynamic, user-friendly UI components using **React.js**, **Redux**, and **GraphQL**, ensuring a seamless and responsive experience for financial advisors and clients.
* Developed applications with **Node.js** and **React.js**, optimizing client-facing modules for an improved user experience across Luma’s platforms.
* Implemented **Kafka** for **event-driven architecture** and **pub/sub** messaging, enabling real-time, reliable data flow between microservices and supporting financial transaction processing.
* Automated the provisioning of cloud infrastructure using **AWS (EC2, Lambda, SQS, RDS)** and **Terraform**, streamlining deployment and reducing provisioning time by 30%.
* Containerized services using **Docker** and deployed them in **Kubernetes** clusters, ensuring high availability and scalability across **AWS** and **Azure** environments.
* Integrated **Redis** caching to enhance performance, allowing rapid access to frequently used financial product data.
* Secured microservices using **OAuth2** and **JWT** for authentication and authorization, ensuring robust security for advisor-facing tools and APIs.
* Utilized **Hibernate ORM** with **PostgreSQL** and **MySQL** to manage complex data models, optimizing transaction handling, lazy loading, and performance.
* Streamlined the CI/CD pipeline using **Git**, **Jenkins**, **Maven**, and **Docker**, ensuring faster deployment cycles and improved service delivery consistency.
* Applied **multithreading** techniques to enhance the processing of concurrent financial transactions and improve system performance.
* Used **Spring Security** to implement fine-grained access control, ensuring secure interactions across microservices with **OAuth2** and **JWT**.
* Wrote and executed unit and integration tests using **JUnit**, **Mockito**, and **Postman**, ensuring high code quality and full regression coverage.
* Collaborated in **Agile sprints**, working closely with cross-functional teams (product, design, and QA) to deliver features on time and meet client requirements.

## Software Engineer | Sapphire IMS **|** Bengaluru, India April 2021 – Dec 2022 Responsibilities

* + **Developed and enhanced key web platform features** using **Java** and **Spring Boot**, resulting in a **20% increase in user engagement** and a **15% reduction in bounce rates**.
  + **Designed and implemented RESTful APIs** using **Spring Boot** and **Spring MVC**, improving the performance and scalability of the application.
  + **Optimized **database queries**** by implementing indexing strategies and improving data retrieval processes, leading to a **30% reduction in page load time**.
  + **Built microservices** with **Spring Cloud** to enhance the scalability and reliability of application components.
  + **Improved user experience** by optimizing front-end web pages using **HTML5**, **CSS3**, **JavaScript (ES6+),** and **AJAX**, enhancing site responsiveness and load speeds.
  + **Implemented **Angular 11** for the development of dynamic and responsive UI components, improving user interactivity and engagement across web platforms.**
  + Resolved 90% of reported bugs within 24 hours, leading to a 40% decrease in bug reports over a six-month period.
  + **Collaborated closely with cross-functional teams** (Product, QA, UX/UI) to identify and resolve legacy bugs, implementing long-term solutions and reducing recurring issues.
  + **Created and executed unit and integration tests** with **JUnit** and **Mockito**, ensuring high code quality and stability for production releases.
  + **Streamlined CI/CD processes** using **Git**, **Jenkins**, and **Maven**, improving build and deployment speeds by **25%**.
  + **Refactored and optimized legacy code**, improving code readability and maintainability, reducing technical debt for future enhancements.

## Software Developer | PharmEasy, Mumbai, India May 2018 - March 2021 Responsibilities

* + Developed and maintained backend services using **Java 8/11** and **Spring Boot**, enhancing the **PharmEasy** platform’s scalability and performance.
  + Designed and implemented **RESTful APIs** for efficient real-time data handling and seamless integration with mobile and web applications.
  + Utilized **MySQL**, **PostgreSQL**, and **MongoDB** to manage pharmacy product data, customer orders, and inventory in a secure and optimized manner.
  + Developed **microservices**, reducing dependency on legacy systems and improving platform modularity.
  + Optimized **database queries** and implemented **Redis caching** strategies to reduce response time, improving overall application performance.
  + Collaborated with front-end developers to integrate **user-facing elements** with server-side logic, ensuring smooth functionality and enhanced user experience.
  + Implemented unit and integration tests using **JUnit** and **Mockito**, ensuring robust code quality and reducing production issues.
  + Assisted in integrating **third-party APIs** for payment processing, inventory management, and logistics tracking to expand platform capabilities.
  + Enhanced **CI/CD pipelines** using **Jenkins** and **Git**, automating build, deployment, and testing processes, resulting in improved delivery cycles.
  + Participated in the full **software development lifecycle**, including requirements gathering, system design, testing, and deployment.
  + Contributed to **debugging and troubleshooting** efforts, reducing critical bugs in production by 30% through proactive issue resolution and monitoring.
  + Ensured compliance with **healthcare regulations** (e.g., **HIPAA**, **GDPR**) for data security and privacy in all data processing systems.

**Education**

**Master's in Computer Science 2024**

**University of Dayton, OH**

**Bachelor of Technology in Computer Science 2019   
Swami Vivekananda Institute of Technology, Hyderabad, India.**