NIKHIL TRIPATHI
Software Engineer

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SUMMARY

Highly accomplished Java Full Stack Developer with 6+ years of experience specializing in designing, developing, and maintaining scalable applications. Proven ability to build robust REST APIs using Java, Spring Boot, and Microservices, contributing to a 20% improvement in system uptime. Proficient in React.js, HTML, CSS, and JavaScript for user-centric interfaces, complemented by strong back-end skills in MySQL and Oracle. Eager to leverage expertise in delivering high-quality, end-to-end solutions that align with business objectives.

SKILLS

- **Programming Languages**: Java, JavaScript, HTML, CSS**,** Data Structures and Algorithms
- **Frameworks & Libraries:** Spring Boot, Spring MVC, Spring Data JPA, Spring Security, Microservices, React.JS, Angular, Bootstrap, Tailwind, TypeScript, Material UI, UI Design
- **Databases:** MySQL, Oracle, PostgreSQL, H2 (Testing)
- **Web Technologies:** REST APIs, WebSocket
- **Tools & Platforms:** Git/GitHub, Maven, Docker, Kubernetes, AWS, Postman, Jira, Jenkins, Swagger API, CI/CD
- **Testing:** JUnit, Mockito
- **Other:** Java8, Multithreading, Kafka, JSP, Agile Methodologies

WORK EXPERIENCE

Microline Information Systems

Senior Software Developer   *Aug 2024 – Present*

- Developing and maintaining scalable applications using **Java, Spring Boot, and Microservices.**
- Designing **REST APIs** and implementing end-to-end solutions for enterprise healthcare systems.
- Building interactive **React.js** dashboards for data visualization and user experience optimization.
- Integrating **MySQL** and cloud-native services (AWS) for secure and efficient storage, processing, and deployment.
- Collaborating with cross-functional teams in an **Agile environment** to deliver high-quality business solutions.

Publicis Sapient

Senior Associate Platform   *Jan 2024- July 2024*

- Developed backend services using **Java** and **Spring Boot** for enterprise-level applications, reducing response latency by **15%**.
- Created and optimized **RESTful APIs** and **MySQL** queries, improving data retrieval performance by **20%**.
- Collaborated in Agile teams using **Git** and **Jira**, ensuring timely sprint deliveries and efficient issue tracking.
  Tech Stack: Java, Spring MVC, Spring Boot, Microservices, Data JPA, RESTful APIs, MySQL, Swagger, Postman, Maven, Git, JUnit, Kafka,Jira.

Neo Nimbus IT

Software Developer   *July 2019-Nov2023*

- Translated complex user requirements into **scalable enterprise solutions** using **Java, Spring Boot, and Microservices architecture** across the **SDLC**.
- Developed and maintained high-availability enterprise applications, **improving system uptime by 20%**.
- Engineered and deployed **robust RESTful web services** to streamline **client-side integration** and enhance **system interoperability.**
- Collaborated effectively with **cross-functional Agile teams** to ensure technical feasibility of stakeholder requirements, enhancing development efficiency.
- Used Git, Jira, and Docker to manage code, track tasks, and streamline project workflows.
  Tech Stack: Java, Spring Boot, Microservices, Kafka, Docker, Git, Jira, React, Javascript, HTML,CSS,UI Design

PROJECTS

PharmaGen – *Drug Discovery Platform*   *Aug 2024 – Present*
Role: *Full Stack Developer (Microline Information Systems)*

- Developed backend services using **Java, Spring Boot, and Microservices** to accelerate drug candidate identification.
- Designed and implemented **RESTful APIs** for research teams to access compound analysis and genetic data.
- Built an interactive **React.js dashboard** with HTML/CSS for visualizing genetic, chemical, and clinical trial datasets.
- Integrated **MySQL** for secure and optimized data storage, supporting large-scale analysis queries.

- Leveraged **AWS cloud services** (EC2, S3) for scalable data processing, secure access, and deployment.
- Collaborated with cross-functional teams to ensure accuracy, performance, and regulatory compliance in data handling.

Financial Project System – *Banking Domain*   *Jan 2024 – July 2024*
Role: Developer (Publicis Sapient)

- Developed and enhanced **RESTful APIs** for core banking operations including FD creation, renewal, withdrawal, and cancellation.
- Implemented **DAO, DTO, and Controller layers** using Java and Spring MVC to support multi-level workflows and user authentication.
- Conducted **unit testing, functional testing, and API validation** using Postman and Swagger across multiple environments.
- Collaborated with business analysts to **translate requirements into technical specifications** and delivered production-ready solutions.
- Integrated **Apache Kafka** for event-driven communication, enabling reliable transaction processing, audit logging, and real-time updates across distributed banking systems.
- Optimized application workflows with **validation mechanisms, sequential approvals, and advanced customer search functionalities**.

HealthPredict – *Disease Prediction Tool*   *Jan 2022 – Nov 2023*
Role: Full Stack Developer (Neo Nimbus)

- Developed and deployed **scalable backend services** using Java, Spring Boot, and **Microservices architecture** to handle patient health data efficiently.
- Designed and implemented **RESTful APIs** for seamless access to predictive disease insights by healthcare providers and external systems.
- Built an **interactive React.js dashboard** with advanced **data visualization** for doctors and patients to monitor real-time health risk scores.
- Optimized **MySQL database performance** with indexing, query tuning, and secure storage for large-scale patient records.
- Leveraged **AWS cloud-native services (EC2, S3, RDS, Lambda)** to ensure **security, scalability, and deployment optimization**.
- Integrated **Apache Kafka** to build real-time, event-driven data pipelines enabling reliable streaming and processing of patient health events across distributed systems.

UniEnroll — *University Admission Management System*
Role: Backend Developer   *May 2020 – Sept2021*

- Developed critical **backend microservices** for automated student application processing, eligibility verification, and efficient seat allocation.
- Engineered a **secure, role-based authentication and authorization system** using **JWT** for robust access control across student, administrator, and faculty portals.
- Built **secure REST APIs** for seamless **third-party integrations** with university portals and external verifiers.
- Executed MySQL query optimization and backend performance tuning to efficiently handle a **50% increase in transaction volume** during peak admission periods.
- Contributed to reducing admission processing time by **30%** through strategic **system optimizations** and **process improvements**.

EDUCATION
Bachelor of Technology (B.Tech.) | CSJMU, Kanpur, U.P.   *July 2012 – May 2016*

LANGUAGE
- HINDI (Native)
- ENGLISH