Bhavik Patel

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SUMMARY

Experienced Software Engineer skilled in troubleshooting and resolving program issues. Demonstrated success in implementing and maintaining comprehensive software solutions. Proficient in Java Spring Boot and other programming languages. Strong troubleshooting, communication and analytical skills. Committed to continuous learning and improvement.

SKILLS

- **Languages**: Java, Python, C++, SQL.
- **Technologies**: Spring Boot, Spring Security, Git, Docker, Elasticsearch, DBMS, Redis, Keycloak and Kafka.
- **Concepts**: Object Oriented Programming, Functional Programming, MVC, JPA projections and specifications, REST API, Microservices and Debugging.

EXPERIENCE

- **Tekdi Technologies** — Pune, Maharashtra
  Software Engineer — *Nov 2022 - Current*

  Skill Digital India — National Skill Development Corporation (NSDC)

  - Developed a comprehensive table structure for a design-related course, comprising 16 joint tables with binary indexing on ID and adhering to the principles of second normalisation forms(2NF). Additionally, created and implemented filters for course categorisation, effectively managing a portfolio of 555 live courses.
  - Integrated various courses seamlessly with different Learning Management Systems (LMS) using SAML or cryptographic key for platforms including Microsoft, AWS, Maniputra, and more.
  - Collaborated with cross-functional teams to execute the NSDC Skill India Digital initiative, enabling seamless connections with Aadhaar, Digilocker, PMKVY and Eskill services.
  - Enhanced system performance through the implementation of effective caching mechanisms and health check procedures.
  - Build and executed custom Keycloak SPI, implementing essential actions tailored to project requirements, customizing user authentication experience.
  - I have successfully managed and contributed to the efficiency of 12 out of 28 micro-services in project.
  - Effectively spearheaded the smooth transition of key infrastructure components, advancing Keycloak from version 14.0 to 21.1.2. Showcased adeptness in executing intricate upgrades, prioritizing system stability, and optimizing performance.
  - **Enviroment**: Java 11 ,Spring Boot, Spring Data JPA and specifications, PostgreSQL, Elasticsearch, Kafka, Keycloak, Docker, and Redis, Multi-threading, OOPS and SOLID Principles, BFF pattern.

ACADEMIC PROJECTS

- **Covid-19 cases prediction using machine learning model (Python)**: Built a web application to predict the number of deceased, recovered, and infected cases ten days in advance using Linear Regression and Exponential Smoothing models (Nov '21)
- **Trip Management (HTML ,CSS ,JavaScript , Spring Boot)**: Developed a travel website aimed at travellers looking for a multitude of adventures in different cities.Frontend using plain HTML, CSS, and JavaScript. Implemented a robust backend infrastructure utilizing the Spring Boot framework to create RESTful APIs for seamless communication between the frontend and backend components. (May '22)

EDUCATION

- **K K Wagh Institute of Engineering Education and Research** — Nashik, India
  Bachelor of Information technology; GPA: 8.72/10.0 - First class with distinction — *Aug 2018 - May 2022*

HONORS AND AWARDS

- Recognized as the "Performer of the Month" in Tekdi, showcasing outstanding performance and dedication.

- Solved 150+ problem on leetcode.

- Received an appreciation letter for exceptional contributions in Tekdi.