Maharsh Patel

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Summary

Seasoned software engineer with 3.5 years of experience in developing robust and scalable web applications. Proficient in Java, Spring Framework, and Spring Boot, with a strong focus on implementing security measures using Spring Security. Adept at working in agile environments, collaborating with cross-functional teams, and delivering high-quality code to drive business success.

Technical Summary

- Expert in designing and implementing scalable, high-performance applications using Spring Boot and Spring Cloud.
- Proficient in event-driven architecture with hands-on experience in Apache Kafka for real-time data streaming and messaging.
- Posses comprehensive proficiency in full stack development, encompassing both front-end and back-end technologies to deliver end-to-end solutions.
- Led end-to-end software life-cycle from planning, implementation, to ongoing support and maintenance.
- Designed and implemented robust test automation frameworks, optimizing efficiency, scalability, and maintainability across diverse testing scenarios.

Professional Experience

Amdocs, Pune   **Jun 2021 – Present**
Software Developer   *Pune, India*

- Implemented the ELK (Elasticsearch, Logstash, and Kibana) stack for log capturing, processing, and management. This approach efficiently tracked orders and identified errors, which overall increased team productivity by 50%.
- Converted a monolithic app to micro service architecture using Spring Boot along with Hibernate ORM (JPA), Spring MVC, Spring IOC, Spring transactions and Spring Security modules.
- Used micro service architecture with Spring Boot based services interacting through a combination of REST and Apache Kafka message broker and also worked with Kafka Cluster using Zookeeper.
- Designed efficient database schema, implemented Oracle DB and MySQL database, and optimized queries to ensure optimal performance and data integrity using Spring Data JPA and Spring transactions.
- Contributed in Environment Monitoring System as a full stack developer enhancing security measures by implementing role based authorization using JWT(Json Web Tokens) in Spring Boot and Angular.
- Actively participated in entire life-cycle of software development. Activities include study of conceptual design as well as detailed design, coding, unit testing, support and also collaborated with other developers and stakeholders using tools such as GIT and Jira.

Indian Navy   **Jan 2021 – May 2021**
Software Development Intern   *Valsura, Gujarat*

- Contributed in web-based application for an AI-driven Predictive Maintenance System utilizing the python-based Django Framework.
- Dealt with a large dataset of rotating machinery for Indian Naval Ships and enhanced the performance of the application by 30% through database restructuring and query optimization.

Projects

Online Doctor Appointment System | *Java Servlets, MySQL, Bootstrap, HTML-CSS, Javascript*

- Developed a dynamic web-project using Java Servlets by which patient can book appointments with doctors for an available time-slot.
- Implemented functionalities by which patient and doctors can view past records, patients can rate the doctor's service and doctors can give prescription online.
- Utilized open-source API's to locate doctors location on the map.

Agri Insurance - Decentralized Crop Insurance | *Solidity, Ethereum, web3.js, Ganache*

- Developed a single page web application on the Ethereum blockchain platform through which farmers can buy suitable policy using ether from self-operating contract by paying a premium amount based on land-size and crops.
- The contract automatically processes a claim if any natural calamity happens like floor or drought by observing parameters like NDVI, NDWI and rainfall
- Utilized open-source API's to capture NDVI and NDWI images through satellites.

Education

Institute of Technology, Nirma University   **Jul 2017 – May 2021**
Bachelor of Technology in Computer Engineering   *Amdedabad, Gujarat*

Shiv Jyoti Convent School   **Jul 2015 – May 2017**
Higher Secondary Education (CBSE)   *Kota, Rajasthan*

Technical Skills

Languages: Java, Typescript, SQL, Python, HTML, CSS, JavaScript
Software Engineering Tools: VS Code, Eclipse, SpringToolsSuite, Maven, GIT, JSP, Postman, SoapUI, Kafka
Frameworks: SpringMVC, Springboot, Angular, Hibernate, JPA, Bootstrap, Microservice Architecture
Service Oriented Architecture: REST, SOAP

Achievements

- Shoot for the Stars Award(Amdocs-2022). One of the best performing fresher in the year 2021-2022.
- Top performing employee(top 15%) under the Line Manager cluster for two consecutive years.
- Appreciated by AT&T for cloud migration projects, delivering 50% reduction in annual costs for AT&T's infra.
- Executed production server deployments, while automating release tasks, reducing release time by 40%.
- Appreciated by Vodafone-Germany for developing game changing tools which helps testing team to monitor test environments and track orders, increasing functional team efficiency by 40%.