+91 8424837076                    **JAYESH KARLI**                    jayeshkarli@gmail.com

LinkedIn - GitHub Profile - LeetCode - Portfolio Site

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**Software Engineer**                    **NeoSoft Technologies**                    **June 2021 – October 2023**

- Developed a comprehensive Java Spring Boot module, incorporating features such as Elasticsearch for efficient search, MongoDB for streamlined data storage and retrieval, and seamless pagination. Additionally, I implemented a data export function to Excel sheets and integrated SMTP for hassle-free file sharing with user's email address.

- Transformed a previously underperforming Node script into an efficient MongoDB shell script, resulting in a remarkable 90-95% reduction in execution time.

- Automated data updates and inserts in MongoDB using Node.js scripts. Additionally, developed APIs in Django (Python) to facilitate data updates in a PostgreSQL database, ensuring seamless data synchronization and system efficiency.

- Integrated complex external APIs to enhance functionality and expand system capabilities.

**Fullstack Developer**                    **Whitecrow Research Private Limited**                    **October 2023 - Current**

- Significantly enhanced application performance, achieving a remarkable 47% improvement through meticulous optimization of state management and strategic component segmentation within the Angular application.

- Orchestrated the decomposition of substantial Angular components into modular and reusable units, fostering seamless collaboration through shared state management utilizing Observables and dedicated services.

- Implemented a robust Node.js Cron job dedicated to the continuous testing of mission-critical external APIs. In the event of API failure, promptly notified stakeholders via email, ensuring proactive response to potential disruptions.

## ADDITIONAL EXPERIENCE

- Authoring technical articles on HashNode. (Link to blog)
- YouTube channel with content related to DSA and web development. (YouTube channel link)

## TECHNICAL EXPERIENCE – Projects

- **Car Rental -** Web application for renting cars and managing cars utilizing the power of JPA and Spring Boot for data management. Application provides a role management system for various authorization levels. Thymleaf, Spring Boot, Spring MVC, JPA, Hibernate, and MySQL database. (GitHub repo)

- **Digital Workspace** Web Application for freelancers to find jobs and for people to post jobs. Angular, NodeJS, ExpressJS, and MongoDB. ([GitHub repo](#))

## Languages and Technologies

- Java, JavaScript, TypeScript (familiar) and Kotlin (familiar).
- Angular, AngularJS, Spring Boot and NodeJS, MongoDB, Postgres DB, Elasticsearch, Aerospike cache, and Redis Cache (familiar).
- Microservices, Docker, Kubernetes(familiar), messaging queue like RabbitMQ (familiar).

## EDUCATION

- Masters in Computer Application (MCA), Chandigarh University. Sept 2021 – Sept 2023. CGPA: 8.04
- Bachelors in Science - Computer Science, Mithibai College, August 2018 to May 2021. CGPA: 9.1