Jayesh Karli

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LinkedIn - GitHub Profile - LeetCode - Portfolio Site

Software Engineer 2   **upGrad**   **October 2024 - Current**

- Designing end-to-end systems from DB schemas to technical documentation for multiple services while collaborating with technical and non-technical stakeholders and colleagues.
- Developed a referral coupon auto-disbursement algorithm and optimized related API performance from 10 minutes to 8 seconds (98.67% improvement), enhancing user experience.
- Optimized exam configurator by building a Java-based mini rule engine and eliminating redundant DB queries, reducing execution time from 4+ hours to 2 minutes.
- Introduced new coding standards reducing the number of lines in service files by over 50% for better code readability and extensibility.

Full stack Developer   **Whitecrow Research**   **October 2023 - October 2024**

- Led rewriting of legacy Elasticsearch backend APIs for a LinkedIn Recruiter competitor, achieving 1-3 second query responses for large-scale data, boosting platform efficiency.
- Significantly enhanced application performance, achieving a remarkable 47% improvement through meticulous optimization of state management and strategic component segmentation within the Angular application.
- Orchestrated tailored ElasticSearch queries, fine-tuning candidate prioritization based on user-defined preferences, resulting in enhanced matching accuracy and streamlined recruitment processes.

Software Engineer   **NeoSoft Technologies**   **June 2021 - September 2023**

- Transformed a previously underperforming Node script into an efficient MongoDB shell script, resulting in a remarkable 90-95% reduction in execution time.
- Built multiple end to end modules both FE and BE using AngularJS and Spring Boot respectively.

Additional Experience

- Publishing technical content(articles/videos) online blog and LinkedIn with over 3K followers.
- YouTube channel with content related to DSA and web development. (YouTube channel link)

Languages and Technologies

- **Languages**: Java, JavaScript, TypeScript (familiar) and Kotlin (familiar).
- **Frameworks**: Angular, AngularJS, Spring Boot and NodeJS.
- **Databases**: MongoDB, MySQL, PostgreSQL, Elasticsearch, Redis.
- **Tools & Tech**: Microservices, Docker, Kubernetes(familiar), messaging queue like RabbitMQ, Kafka.
- **Methodologies**: Performance Optimization, Data Engineering, Agile, API Development

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