Koramangala,
Bangalore

AKSHAY KUMAR

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SUMMARY

Full-Stack developer with 4 years of hands-on experience designing and developing highly scalable and secure applications and solutions using a range of technologies and programming languages.

EMPLOYMENT

Full Stack Developer   **Spak Technologies**   **Oct 2020 – Now**

- Designed, developed, reviewed and delivered several key features for a highly available Tele-medication application to facilitate remote treatment and medications for patients across the globe at scale.
- Reviewed and improved performance of the system by identifying the bottlenecks and fixing them on time.
- Designed and developed the Condition monitoring system for large scale machineries to monitor and configure the systems with high accuracy and confidence that helped in reducing the unexpected downtimes and improving the production rate by about 15%.
- Designed and developed an automated and scalable system to monitor, transform and transfer data and metrics from thousands of data sources across the globe to a centralized server to help monitor and analyze the large-scale systems remotely, which has helped in increasing the efficiency of the system by 30%.

Software Engineer   **Sunquest Information Systems**   **Feb 2018 – Oct 2020**

- Tested, developed, reviewed and delivered key features for a low latency & highly available web application to allow pathologists to onboard new patients, add diagnosis, link materials, add and update tests, create, edit and send reports to patients via mail and more.
- Designed and developed a material processing and tracking application to help users in tracking, processing, and storing materials accurately and with high efficiency.
- Extensively worked on performance improvements of the system which has helped in reducing the loading time of the application by 50%, and improved the search performance by almost 30%.

Software Engineer, Intern   **Sunquest Information Systems**   **Dec 2017 – Feb 2018**
I18n Extractor

- Designed and developed a utility to extract, detect type and replace hardcoded strings from the source code to reduce the manual effort for internationalization of the solution.
- Used extensive regular expressions to detect the properties and usage statistics of hardcoded strings which in turn helped in faster decision making and highly efficient internationalization.

TECHNOLOGIES AND SKILLS

- **Front end -** JavaScript, React JS, Redux, jQuery, babel, webpack, HTML, CSS, SCSS.
- **Back end -** Node JS, Express JS, C#, Win forms, Python.
- **Persistence -** SQL Server, Mongo Db, Cassandra.
- **Miscellaneous -** Distributed systems, Micro services, Docker, Kubernetes, Nginx, RabbitMQ, Aws S3, EC2, Elastic Search, Redis, Proficiency with designing Scalable Systems, Algorithms and Data structures.

EDUCATION

Tumakuru, Karnataka   **Sri Siddhartha University**   **July 2013 – July 2017**

- B.E. in Mechanical Engineering with 8.24 GPA.

PERSONAL PROJECTS

- **Live coding and video streaming service** (2020). A React and Node Js application for p2p video streaming, and live coding with a text editor which synchronizes the data using Operational transformation.
- **Music Streaming application** (2020). A frontend application to stream music, search for tracks, artists, to create playlists etc. built on React with Redux.