Koramangala,
Bangalore

AKSHAY KUMAR

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EMPLOYMENT

Software Engineer, Intern	**Sunquest Information Systems**	**Dec 2017**

I18n Extractor
- Created a utility to extract and parse hardcoded strings from source code to reduce the manual effort.
- Used extensive regular expressions to detect the string's properties and usage statistics which in turn helped in faster decision making, and efficient internationalization.

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

- Created a low latency, high throughput web application to allow pathologists to onboard patients, add diagnosis, create, edit, send reports to patients and more.
- Created material processing and tracking application to track the status of materials currently in process.
- Worked on performance improvements of the solution, which helped in reducing the loading time by 70%, and improved the search performance by almost 50%.

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

- Worked on a Tele-medication project to facilitate remote treatment and medication for patients across the world via live sessions, video recordings, medication printing, progress tracking, and other useful services.
- Worked on Condition monitoring system for large scale machineries, which helps in detecting issues like improper configuration, connection issues, and faulty device(s) by performing a series of long running tests, and also facilitates monitoring of the overall systems health.
- Created an automated, scalable, and highly available system to transform and transfer raw data and Characteristic data from several client sources like ftp servers, and databases to an intermediate location(backup) and thereby to the final destination located at various parts of the world based on the network availability.

EDUCATION

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

- B.E. in Mechanical Engineering with 8.24 GPA.
- Undergraduate Coursework: Operating Systems; Databases; Algorithms; Programming Languages;

TECHNICAL EXPERIENCE

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, and artists, to create playlists etc. built on React and Redux.

ADDITIONAL EXPERIENCE AND AWARDS

- Completed full stack Java development course from Uttara info solutions on December 2017.
- Received a pixel award for creating a generic device management tool which helped to reduce development effort for supporting new devices.

LANGUAGES AND TECHNOLOGIES

- **React JS**, Redux, JavaScript, jQuery, HTML, CSS, SASS.
- **Node JS, Express JS, C#,** Java, Python, ASP.NET, Win Forms, Win Services.
- **Distributed systems, Micro services**, Docker, Socket IO, RabbitMQ, Kubernetes, Aws S3, Elastic search, Nginx.
- **SQL SERVER, Mongo DB**, Cassandra, Redis.
- Proficiency with **Designing Systems**, Algorithms and Data structures.