

AKSHAY KUMAR

SOFTWARE ENGINEER

Koramangala, Bangalore

+91 8095594790

ak37.edu@gmail.com

OBJECTIVE

*An ambitious and self-motivated programmer with **4** years of experience in designing and developing highly scalable applications, with excellent knowledge of Web and Standalone application development, seeking for a challenging career with a lot of opportunities to learn and improve upon.*

EDUCATION

AHS, Gowribidanur,
Karnataka:
[86.04% - 10th - 2011]

B.G.S, Gowribidanur,
Karnataka:
[86.33% - 12th - 2013]

SSIT, Tumakuru, Karnataka:
[8.24 GPA - B.E - 2017]

TECHNICAL SKILLS

Front End-

- **React JS, Redux, JavaScript** (ES5/ ES6), JSX, JWT, Babel, Webpack, jQuery, Ajax, CSS, SASS, HTML.

Back End-

- **Node JS, Express JS**, Mongoose, Socket IO, Micro services, Distributed systems, Docker, RabbitMQ, Redis, Kubernetes, Aws S3, Elastic search, Nginx.
- **C#, ASP.NET**, WEB API, MVC, Win Forms, Win Services, WPF, LINQ, ADO.NET, ENITIY FW.
- **Python**, JAVA.

Data Base-

- **SQL SERVER, Mongo DB**, Cassandra.

Miscellaneous-

- Proficiency with **Algorithms, Data structures, and System design.**

Key Interests —

Designing scalable
Systems

Web application development

Standalone and mobile
application development

Performance and
security
improvements

Machine learning and AI

Connect



EXPERIENCE

Dec 2017 – Feb 2018:

Intern at **Sunquest Information Systems, Bangalore**

- Extractor, Designed and developed a Standalone application to extract, display, and export all the hardcoded strings along with the details like type of hardcoded value, line number etc. in a given project solution (C# or SQL or Delphi) by using the modular Regular expressions extensively.

Feb 2018 – Oct 2020:

Software Engineer at **Sunquest Information Systems, Bangalore**

- **PowerPath**, worked on creating a low latency, and scalable MERN stack web application which helps the pathologists to on board patients, add diagnosis, create and edit, and send reports etc.
- Designed and developed a Material processing and tracking application which communicates with third party applications over via the HL7 to process materials, update status and print labels/ patient reports.
- Designed and developed Barcode configuration utility which allows the clients to update or add support to new barcode scanners.
- Designed and developed a text editor like M.S word with minimal and key features which helped in reducing the third-party dependency and to have complete access and ownership over the source code.
- Designed and involved in converting a standalone windows application into a set of high-performance windows services, which interconnects on-demand to exchange relevant information through dot net remoting via TCP/IP.
- Improved performance of several applications by using techniques like Algorithmic thinking, multithreading, asynchronous programming, SQL Query optimization techniques, SQL Indexes, Paginations, Execution plans etc.
- Technologies used – React JS, Redux, Node JS, Express JS, JavaScript, C#, Dot Net, Mongo DB, SQL server and others.

OCT 2020 – Now:

Full Stack Developer at **SPAK Technologies, Bangalore**

- **MVB Telemed**, was part of design and development of the tele medication project to facilitate remote treatment and medication for patients across the world via the live sessions, video recordings, medication printing, and other services.
 - Technologies used – MERN stack, Microservices, Docker, Kubernetes, Elastic search, Aws S3, Socket.io, NGINX, Redis, AWS S3, and others.
- **CMS tools**, Designed and developed a MERN stack application which is used to detect errors and improper machine-sensor configurations in large scale machineries, and to monitor and configure the entire system with ease.
 - Technologies used – MERN stack, Electron, OPCUA, Socket.io, Redis.
- **CMS Data transfer and monitoring**, Designed and developed a highly scalable, high throughput, and highly available system to transform and transfer raw data files, and Characteristic data from several client sources to an intermediate location and thereby to the final destination located at various parts of the world.
 - Technologies used – Node JS, Windows services, SMB, FTP.