



Akshay Kumar

Experienced Full Stack Developer and Tech Enthusiast

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Summary

Back End Heavy Full Stack Developer || 5.6 Years experience || JavaScript, TypeScript, Nodejs, Express, Reactjs, Angular || Java, Spring-Boot, Microservices, JPA || MongoDB, AWS, Docker, ServerLess || Data Structure, Algorithm, Design Pattern, System Design

Experience

Tricon Infotech Pvt. Ltd.

Senior Software Engineer

https://www.triconinfotech.com

Jan 2021 - Dec 2023

Project - Europa World Suite

- Client: **Taylor and Francis Group**, Domain: **Publication**
- Europa World* is a collection of *Premium Encyclopedia Website* composed of articles by publishers.
- Migrated a group of 3 websites from old static format to modern **single page application** using **React, Redux, Material UI** and **Styled Component** for front-end and **Typescript, Nodejs, Express** for REST APIs, with **MongoDB** as Database.
- Accelerated client data publishing on websites by deploying a Live Data Pipeline. It converts **SGML** data to **JSON** using **Java, Spring-boot, DTD, XML, MongoDB**, and key **AWS** services like **EC2, S3, SNS, SQS, Lambda**, and **API Gateway**.
- Improved API and Data Pipeline performance by **indexing most used data in MongoDB**, integrating **Redis** for better caching and **Elastic search DB** for fast searching.
- In phase 2, I am working on the **Europa CMS** which will be platform for publishers to create and design their articles with full control and customization.

Exzatech Consulting And Services Pvt. Ltd.

Full Stack Developer

https://www.exzatech.net

Sep 2019 - Dec 2020

Project - Video KYC

- Client: **Karnataka bank**, Domain: **Banking**
- Video KYC* Application is a *Real Time Communication System*, which provide features like **one to one video call, real time messaging** and **Document scanning** for the process of Digital KYC in Bank.
- Delivered an elegant KYC platform developed in **Typescript, React, Redux**, and **Material UI**, featuring real-time peer-to-peer video and audio communication using **WebRTC**.
- Facilitated real-time communication by implementing a signaling server using **Java, Spring-Boot**, and **WebSocket**, following an **Event-Driven design** and **MVC Architecture Style**. Integrated **PostgreSQL** with **Spring-JPA** for efficient data storage.

Project - ContextCP

- Client: **Axiomio IT Services**, Domain: **Finance**
- ContextCP* was a *Fund Reporter Application*, which generate charts out of the financial data from emails and attachments(eg: PDFs, Docs, etc.).
- Enabled users to make informed investment decisions by developing a **single-page UI application**. This application dynamically renders visual analytics using **React** with **Typescript** and **Material UI**.
- Created APIs to generate fund reports using **Nestjs, Express**, and **Nodejs**, integrating **MongoDB** and **AWS RedShift** to store bulk reports and analytical data extracted from attachments.
- Boosted application efficiency by employing data scraping methods and **AWS Textract** to extract financial data from emails. Implemented **CRON** jobs for scheduled script execution.
- As an individual contributor, achieved a correct mail detection success rate of 90%, surpassing the client's expectation range of 70-80%.

Mountblue Technologies Pvt. Ltd.

Software Developer

https://www.mountblue.io

May 2018 - Aug 2019

Project- Qandle

- Client: **Digital Ecom Techno Pvt. Ltd.**, Domain: **Corporate(HR)**
- Qandle* is an *HR Management System*, which provide various features like Timesheet for organizational calendar, Payroll for compensation management and so on.
- Contributed to critical modules while adhering to the **MVC** architecture style for a **monolithic** application built using **AngularJS, Nodejs, Express**, and **MongoDB**.

Education

SRMS College of Engg. & Tech, Bareilly - Uttar Pradesh Technical University

Electronics and Communications Engineering

Aug 2012 - Jun 2016

B.Tech

Projects

Game of Life

A cellular automaton devised by the Mathematician John Horton Conway

Feb 2023 - Feb 2023

- Game of Life* is a zero player game in which evolution is determined by its initial state.
- Implemented with **HTML, Canvas, CSS, JavaScript** and **Nodejs** with **No third party library**. Optimized performance by parallel processing using **Web-Worker**.
- Upgraded coding standards by adopting **clean code architecture** and **SOLID** Principles along with proper **Js-Docs** Documentation for getting **Typescript** like feel in code editors.
- Github: [Game of Life](#)

Awards

Best Developer

Taylor & Francis Group [Tricon]

12 May 2022

- Got appreciation for designing and implementing live data pipeline, which powered client to publish their Articles in minutes compared to weeks earlier.
- [Best Developer Certificate](#)

Languages

English

Professional Working English



Hindi

Native Hindi

