



# 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. Jan 2021 - Dec 2023  
Senior Software Engineer  
https://www.triconinfotech.com

### 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 Radis 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. Sep 2019 - Dec 2020  
Full Stack Developer  
https://www.exzatech.net

### 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. May 2018 - Aug 2019  
Software Developer  
https://www.mountblue.io

### 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 Aug 2012 - Jun 2016  
Electronics and Communications Engineering B.Tech

## Projects

Game of Life Feb 2023 - Feb 2023  
A cellular automaton devised by the Mathematician John Horton Conway

- 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 12 May 2022  
Taylor & Francis Group [ Tricon ]

- 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

