

AKHIL VERMA

Software Developer | Service-Oriented Architecture | Analytical Thinker

+91 9694551478 @ akhilrec01@gmail.com https://www.linkedin.com/in/akhil-verma-4161451a3/ jaipur, Rajasthan

SUMMARY

Results-driven Software Engineer with 2+ years of experience in designing, developing, and optimizing backend systems. Skilled in API development, database management, and system integration, ensuring seamless performance and scalability. Proficient in coding, debugging, and testing, with hands-on experience in software documentation and process flow analysis. Adept at collaborating with cross-functional teams to deliver innovative and efficient solutions.

EXPERIENCE

Software Developer

Birla Institute of Technology (BISR)

03/2023 - Present Jaipur, Rajasthan

- Spark Calculation Implementation:** Developed and optimized Spark calculation processes to enhance data accuracy and computational efficiency within GIS and market analysis systems.
- Automated Calculation Process:** Designed and implemented an automated calculation system, reducing manual effort and improving performance in large-scale data processing workflows.
- Arabic Language-Specific Data Manipulation:** Engineered robust solutions for handling Arabic text, ensuring proper formatting, right-to-left (RTL) support, and seamless data processing across various applications.
- Integrated multiple third-party APIs, enhancing the application's functionality and user experience, leading to a 20% increase in customer satisfaction. Optimized application performance resulting in a 25% reduction in server load and 30% faster response times after thorough profiling and application tuning.
- Mentored a team of junior developers, boosting team productivity and code quality through code reviews and pair programming sessions.

EDUCATION

Bachelor of Science in Software Engineering

Regional College of Education & Research Technology

03/2020 - 03/2023 Jaipur, Rajasthan

SKILLS

NodeJS	Typescript	Service-Oriented Architecture		
Authentication	Authorization	Session Management	MySQL	
PostgreSQL	MongoDB	Express.js	Redis	

LANGUAGES

English Native	●●●●●	HINDI Native	●●●●●
-------------------	-------	-----------------	-------

PROJECTS

Open Source TypeScript Sequelize ORM Tool

Collaborated on a TypeScript-based ORM tool to streamline database interactions for Node.js applications. View the code at <https://github.com/imakky/typescript-sequelize.git>

Contribution to Node.js Backend Library

Contributed to the development of an open-source Node.js library that simplifies HTTP requests for REST APIs. See the project at <https://github.com/imakky/nodejs-crud-app.git>

Admin Dashboard

- Developed a fully responsive admin dashboard using **React** and **Tailwind CSS**, ensuring a seamless user experience.
- Implemented dynamic data visualization and user management features.
- Hosted on **Vercel** for optimized performance and deployment.
- Live Demo:** <https://admin-dashboard-alpha-beryl-86.vercel.app/>

KEY ACHIEVEMENTS

- Optimized System Performance**
Successfully optimized a critical system for TechSolutions Inc., reducing server load by 25% and improving response times by 30%.

- Increased Server Uptime**
Played a key role in enhancing the server uptime of HealthTech Innovations' main product to 99.99%, directly impacting customer satisfaction.

- Developed Scalable Microservices**
Architected and deployed a microservices-based system which allowed for 50% faster feature additions and upgrades at DynamicWeb Solutions.

- Mentorship Excellence Award**
Received an internal award for exceptional mentorship, contributing to a 20% increase in team productivity and code quality at TechSolutions Inc.