Vikas Kumar

SOFTWARE ENGINEER

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EDUCATION

MCA
AKTU
Percentage: 71.16%
2022-2024 | Greater Noida, India

BCA
IGNOU
Percentage: 62.18%
2017-2020 | New Delhi, India

12TH (PCM WITH CS)
SHK Sarvodaya Bal Vidyalaya
2016 | CBSE | Percentage: 65%

TECHNICAL SKILLS

BACKEND
• NodeJs • ExpressJs • Fastify
• Javascript • Typescript
• Microservice architecture

DATABASE
• MongoDB • MySQL • PostgreSQL
• Google cloud pub/sub • Redis
• TypeORM • Sequelize

DEVOPS
• Docker • Kubernetes
• AWS (EC2, S3, Lambda,
  Cloudwatch, EKS, SES)

MOBILE APP DEVELOPMENT
• Android Studio • Java • Kotlin

TOOLS
• Git • Jira • SonarQube • Codacy
• Jenkins • New Relic • Swagger

CERTIFICATIONS

AWS
UDEMY

JAVASCRIPT & NODEJS
UDEMY

JAVA + KOTLIN + ANDROID APP DEVELOPMENT
DUCAT (NOIDA)

EXPERIENCE

MOBILE PROGRAMMING INDIA PVT. LTD. | Software Engineer
Jan 2025 – Present | Gurgaon, Haryana
- Engineered and optimized high-performance backend services using Node.js, ensuring scalable and efficient APIs.
- Contributing to the development of an e-commerce platform.

SHADOWCAST IO INDIA PVT. LTD. | SDE 2
Nov 2021 - Jan 2025 | Noida, UP | 3 years and 2 months
- Engineered and maintained backend services using Node Js, focusing on creating robust and scalable APIs to support various applications.
- Developed a Video Streaming service utilizing FFmpeg for efficient media processing and streaming, delivering a seamless viewing experience.
- Engineered backend services for an AR social media app using ARcore.

LOGICWELL TECHNOLOGIES PVT. LTD. | Software Developer
Dec 2020 – Oct 2021 | Noida, UP | 11 months
- Developed and maintained backend services using Node.js, creating scalable APIs for seamless interaction with mobile applications.

PROJECTS

FOURTHSTAR-METAVERSE NodeJs | Express | MongoDB | Socket.io
- Engineered and maintained multiple microservices, boosting system modularity and performance by 40% and reducing downtime by 25%.
- Used Google Pub/Sub for real-time data and Redis for caching, reducing latency by 40%
- Built a video streaming feature using FFmpeg, converting media into HLS format, improving playback speed by 30%

MEMENTO NodeJs | Express | MongoDB | Socket.io | RabbitMQ
- Engineered a robust APIs and worked on auth, chat, and Memento TTL modules increasing user retention by 15%.
- Used Socket.io and RabbitMQ for real-time chat functionality, supporting 5,000+ simultaneous users, reducing message latency by 30%.
- Created unit tests to ensure code quality and reliability resulting in a 25% reduction in bugs.

SHEEPDOG THERAPEUTICS NodeJs | Express | MongoDB | Redis
- Developed a system to assess users' mental health by analyzing responses to a series of activities on VR, providing insights on depression and anxiety levels.
- Integrated AWS Elemental MediaConvert for adaptive video streaming, ensuring smooth delivery across diverse devices and network conditions.

HERO FITNESS NodeJs | Express | MongoDB | MLKit
- Engineered the backend for a pose detection and rep counting system by leveraging MLKit algorithms, achieving a 60% improvement in workout tracking accuracy.
- Developed APIs for a feedback system, providing real-time exercise form quality evaluations, leading to a 30% increase in user satisfaction.