Ashish Kumar

Technical Lead with 6+ years of experience in architecting and maintaining scalable, high-performance systems using JavaScript/TypeScript frameworks like Node.js, Deno, and Angular. Adept at microservices architecture, backend development, and database management (PostgreSQL, MongoDB). Proficient in leading teams, gathering requirements, and delivering successful deployments using AWS and Kubernetes. Enthusiastic about learning new technologies and improving system efficiency.

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EXPERIENCE

Quantitative Brokers, Chennai (Tamil Nadu)

Senior Software Engineer | OCTOBER 2024 - PRESENT

- ❖ Leading the redevelopment of an existing portal using Angular to enhance performance and scalability for handling large datasets.
- ❖ Implementing optimized front-end solutions to improve data processing and user experience.
- ❖ Collaborating with cross-functional teams to ensure seamless integration with back-end systems and meet project objectives.

Humble Innovations, Kochi (Kerala)

Associate Technical Lead | APRIL 2024 - OCTOBER 2024

- ❖ Architected microservice-based backend solutions and implemented single sign-on for new products.
- ❖ Managed deployments on Kubernetes and AWS, enhancing scalability and reliability.
- ❖ Led requirement gathering and analysis for upcoming product lines, ensuring alignment with business goals.

Appinventiv Technologies, Noida (UP)

Associate Technical Lead | OCTOBER 2018 - APRIL 2024

- ❖ Led a team to develop a microservice backend for "PickMe," a ride-hailing product like Uber using Node.js, NestJS, and gRPC.
- ❖ Engineered highly scalable systems using MongoDB and Aerospike.
- ❖ Introduced a fault-tolerant architecture by implementing message brokers like Kafka to ensure smooth data communication between microservices.
- ❖ Optimized API performance by refactoring key modules, reducing response times.
- ❖ Integrated secure payment gateways for the ride-hailing service, ensuring compliance with industry standards.

SKILLS

Programming :
TypeScript, JavaScript, Golang

Back End :
NodeJS, Deno, gRPC, ExpressJS, NestJS, HapiJS, Fastify, Microservices, API Gateway, Kafka

Front End :
Angular, React, Next.js, Material, Fresh(Deno), PWA, HTML, CSS, Figma

Databases :
MongoDB, PostgreSQL, Redis, Aerospike, Neo4J

Cloud/DevOps :
AWS (Basic), Kubernetes, Docker

ACHIEVEMENTS

Patented College Project
Method and system for enriching life in humanly maintained aquaculture environment. A platform to monitor & analyze real time values of water parameters and provide valuable suggestions through predefined algorithms.

- Worked on real-time location tracking using gRPC, significantly improving system accuracy and performance.
- Managed CI/CD pipelines, resulting in a faster and more reliable deployment process.

Senior Software Engineer

- Developed a microservice backend for the "Snapshot" asset management platform for Bidadoo, which was integrated with auction services using Node.js, HapiJS, and gRPC.
- Designed and implemented Redis-based caching mechanisms to reduce database load and improve overall system speed by 15%.
- Collaborated with front-end teams to create robust APIs that enabled seamless interaction between the backend services and user interfaces.
- Conducted code reviews and provided mentorship to junior developers, fostering best practices and improving team productivity.

Software Engineer

- Developed the website for "Nook Asia" and backends for "Global Child" (UN survey platform) and "Klip Social" (social media for pet lovers).
- Implemented RESTful APIs using Node.js and ExpressJS to handle complex data processing and interactions between the front-end and back-end.
- Improved the UI performance of Global Child by optimizing database queries and enhancing client-server communication.
- Developed reusable components for admin panels using Angular, enhancing productivity across multiple projects.

Software Trainee

- Developed and maintained admin panels for audio streaming service "Trill" and augmented reality product "GlidAR".
- Integrated Firebase for real-time data sync in "Trill," improving data handling across multiple users and sessions.
- Built a custom audio player for the "Trill" admin panel, allowing administrators to manage audio files with ease.

Team Squad Award
Multiple times recognized for outstanding teamwork, collaboration and team lead.

LANGUAGES

English, Hindi

EDUCATION

NIT, Hamirpur (HP) — *Bachelor of Technology*

JULY 2014 - APRIL 2018

LBS School, Sikar(Rajasthan) — *Senior Secondary Education*

JULY 2011 - APRIL 2012

PROJECTS

Aqua Guider

A platform to help aqua farmers in monitoring and analyzing values of water parameters and provide valuable suggestions through predefined algorithms.

[Ng Presenter](#) — Angular Library

A library to create beautiful presentations through angular. It utilizes the power and simplicity of an angular library development.