

ARCHIT JAIN

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Software Engineer | Backend Engineer | FullStack Engineer

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SUMMARY

Software Engineer with 3+ years of experience building and scaling distributed systems and high-availability platforms. Strong background in backend and frontend development, with hands-on ownership of system design, performance optimization, and reliability improvements. Experienced in delivering scalable architectures, reducing latency, and operating production systems under high load. Passionate about solving complex engineering problems and shipping high-impact, high-performance solutions end-to-end.

EXPERIENCE

Software Development Engineer - Wayground(Quizizz) July 2025 – present

- Owned end-to-end **LTI 1.3 integrations** for a multi-tenant, multi-role ecosystem, ensuring reliable authentication, rostering, and grade workflows across LMS platforms (excluding content/assignment authoring).
- Architected** and scaled a **distributed rostering system**, orchestrating multiple microservices to process **25M** classes daily with up to 100 users per class daily, delivering **high availability and data consistency at platform scale**.
- Independently designed and implemented a **revenue-critical upsell feature** end-to-end, directly **unlocking \$2M+** in enterprise client deals and **driving measurable platform growth**.
- Led platform performance initiatives, **reducing latency from 1.1s to 0.2s**, migrating legacy monolith components to microservices, resolving **Kafka consumer lag issues**, and improving overall system scalability and robustness.

Product Engineer - Sprinklr July 2023 - May 2025

- Developed a high-performance **VoIP telephony platform**, enabling a customer-to-agent call system handling **1M+ daily calls** with a highly scalable architecture.
- Optimized system performance, increasing **VoIP call capacity from 50 to 800+ per instance** by fixing memory leaks and enhancing CPU efficiency with proper nested locking.
- Reduced MongoDB query load** using indexing, integrated **Redis caching**, and implemented auto-scaling of media servers based on real-time VoIP traffic, leading to **infrastructure cost savings**.
- Integrated Kafka and Elasticsearch for **real-time monitoring, reporting, and alerting** in a distributed telephony system; collaborated on automated testing pipelines and stress testing for microservices.
- Led customer onboarding**, and resolved **80% of client issues same-day**, ensuring VoIP platform stability, high availability, and seamless operations.

Software Development Engineer - Speedlegal Dec 2022 - June 2023

- Designed and developed an AI-powered legal contract management platform using the **MERN stack** to analyze, manage, and share contracts across internal teams and external users.
- Contributed to platform development, focusing on **system architecture and database design**. Implemented key features like document parsing, editing, AI chatbot, automated summaries, and a structured file management system.

EDUCATION

International Institute of Information Technology Hyderabad, India

Bachelor of Technology - Computer Science and Technology; GPA: 8.21

July 2019 - June 2023

Courses : Operating Systems, Data Structures, Distributed Systems, Design and Analysis of Software Systems, Statistical Methods in AI, Information Retrieval and Extraction, Advanced Computer Networks, Database and Application

SKILLS SUMMARY

- Languages:** JAVA, C, C++, JavaScript, GO, Python
- Frameworks:** SpringBoot, NodeJS, React, NextJS, Express, Django, Flutter
- Databases:** MongoDb, Redis, MySQL
- Technologies:** Kafka, Elasticsearch, Docker, Kubernetes, Temporal, Opentelemetry

PROJECTS

- Job Portal** - React, MongoDB, Node, Express
A platform where job recruiters can post the jobs and applicants can apply for it and allow recruiters to shortlist/reject/accept their application based on the applicant's skills and uploaded resume and rate them according to their work.
- Wikipedia Search Engine** - Python
A scalable search and indexing engine for Wikipedia dump converts it to an inverted index of 1/5th of its size. It further processes the index to return top matching results for any search query based on the tf-idf score. It also supports field queries.
- Multithreading Simulation** - C
Developed a simulation of vaccine production by multiple companies with varying effectiveness, supplying vaccines to different zones of the campus on-demand to vaccinate randomly arriving students in real time.

ACHIEVEMENTS

- JEE Main 2019 - AIR 128
- JEE Advanced 2019 - AIR 2128
- Google Kick Start 2022 - 574th Rank