Rachit Singh

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SUMMARY

A results-driven Software Engineer with 4+ years of experience in designing, developing, and optimizing scalable systems and high-performance applications. Skilled in backend development, system design (HLD & LLD), distributed systems, and cloud architectures, with a focus on building robust, secure, and reliable solutions. Proficient in workflow optimization, process automation, and delivering impactful, data-driven applications.

SKILLS

Languages	**Python**, **JavaScript**, **TypeScript**, **Java**, **SQL**, NoSQL, Shell Scripting
Frameworks	**Django**, **FastAPI**, **Node.js**, **Express**
Databases	**PostgreSQL**, MySQL, MongoDB, **Redis**
Cloud & DevOps	**AWS**, **Docker**, CI/CD, GitHub Actions
Messaging	**Kafka**, Event-Driven Architectures
Tools	Git, Linux/Unix/macOS, OAuth, **REST APIs**, Microservices
Software Engineering	RDBMS, SDLC, Agile, **System Design (HLD/LLD)**

WORK EXPERIENCE

Software Engineer III, FactSet, Hyderabad   June 2021 – Present

- Improved backend performance for a large-scale SaaS platform (8M+ users) by **25%** through optimization of **Java** microservices, **Node.js** APIs, and **Python**-based data workflows.
- Led cross-functional engineering teams, improving sprint delivery velocity by **30%** via better planning, code reviews, and iterative development practices.
- Established and enforced **SLA/SLO standards**, ensuring **99%+ availability** and reducing downtime incidents by **20%**.
- Leveraged product analytics, telemetry, and behavioral data to influence feature development, increasing user engagement by **15%**.
- Built and optimized data ingestion and import pipelines using **TCL, SQL, Python**, and internal ETL tools, improving processing efficiency by **36%** and reducing error rates by **55%**.
- Developed scalable backend modules using **Java, Node.js, Python**, integrating caching, pagination, and async processing.
- Resolved **150+** production issues, reducing average resolution time by **60%** and eliminating **40%** of recurring incidents.
- Enhanced platform scalability, observability, and reliability using distributed tracing, structured logging, metrics, and performance profiling tools.
- Collaborated on end-to-end development across **distributed systems**, **microservices**, **REST APIs**, **CI/CD pipelines**, code reviews, testing, and deployment.

EDUCATION

2017 – 2021   Bachelor of Technology (Computer Science) at **Dr. A.P.J. Abdul Kalam Technical University (UPTU), Lucknow**