SARTHAK CHHABRA

Technical Lead

BASIC INFORMATION

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Gender: Male
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PROFILE

A committed professional with a strong work ethic and a focus on continuous improvement. Experienced in collaborating across teams to meet deadlines and exceed expectations, demonstrating flexibility and a proactive approach to challenges.

WORK EXPERIENCE

Technical Lead   July 2025 - Feb 2026
Zupee (Cashgrail Pvt Ltd)
NodeJS, Postgres, Qdrant, MongoDB, LangGraph, Circuit Breaker Patterns, Multi-Agent Systems
- Architected centralized LLM routing engine handling 300,000+ requests/day with 15-20ms latency and 99% uptime, implementing budget tracking, rate limiting, multi-provider fallbacks, and circuit breaker patterns for business continuity during failures.
- Developed AI companion chatbot achieving 46% D15 retention through LangGraph multi-agent architecture for response planning and conflict resolution, RAG memory retrieval with Qdrant, and dynamic response timing simulating human conversation patterns.
- Built automated promo generation system reducing production time from one week to 3 hours with parallel processing of 50-100 microseries, accelerating A/B testing cycles and ad campaign deployment.
- Created no-code bot management platform enabling product managers to modify AI behavior, swap models, and manage image catalogues with 2-click operations, eliminating engineering bottlenecks for product experimentation.
- Led team of 4 engineers across multiple AI products including astrology chatbot and routing infrastructure, maintaining architecture oversight while implementing in-house embedding solutions for operational control.

Technical Lead   Apr 2025 - Jun 2025
Forge AI (Empirical Run)
NodeJS, Typescript, AWS Services, Postgres, Generative AI, Docker, Microservices
- Developed tools and streamlined system information delivery for seamless LLM integration, enhancing query resolution efficiency and improving tool response speed.
- Implemented a robust queuing mechanism to streamline request handling, eliminate race conditions, and ensure reliability under high-concurrency scenarios and reducing response time from 1 minute to 5 seconds.
- Orchestrated microservices architecture deployment using Docker containers, improving system scalability and maintainability while following agile development methodologies.

Senior Software Engineer
Dresma AI
Mar 2022 - Apr 2025

NodeJS, Typescript, AWS Services, MongoDB, Kafka, Technical Architecture, Microservices

- Reduced response time by 40% and improved system efficiency by 30% through meticulous debugging and implementation of optimized coding practices.
- Engineered intricate architectures resulting in near-fail-proof systems capable of handling heavy computation, reducing processing time by 30% and increasing stability by 50%.
- Provided comprehensive training and mentorship to junior developers and engineers, enhancing team proficiency in backend and frontend development, AWS cloud infrastructure, and architectural understanding, resulting in a 20% increase in project delivery efficiency and a 30% reduction in error rates.
- Cultivated a culture of respectful and transparent communication using collaboration tools like Slack, leading to increased team collaboration and improvement in resolving conflicts efficiently through strong communication skills.

Full Stack Developer
Gigforce
May 2021 - Mar 2022

NodeJS, AWS SQS, MongoDB, VueJS, System Design, Design Patterns

- Managed end-to-end development of new modules, leading to a 25% increase in module stability, evidenced by a decrease in post-launch bug reports.
- Employed Node.js, Mongoose, and MongoDB for efficient database development and management, resulting in a 30% reduction in query response time.
- Coordinated the implementation of backend services to efficiently manage increased operational scale, utilizing cloud infrastructure and version control best practices, resulting in improvement in system scalability and a 40% reduction in response latency during peak usage periods.
- Utilized Postman for API testing and validation, ensuring robust service communication and maintaining high code quality through GitHub workflows.

Software Developer
Signcatch
Oct 2020 - May 2021

ReactJS, Angular, SQL, PHP, Postman, Agile

- Effectively implemented and administered both new and legacy modules, ensuring optimal user experience, leading to a 25% increase in positive user feedback and a 15% decrease in consumer churn rates.
- Collaborated throughout the systems development lifecycle, actively contributing to requirement gathering, design, development, testing, and production releases, resulting in seamless project execution and a 20% reduction in time-to-market for new features.
- Maintained code quality through rigorous version control practices using Git and GitHub, ensuring consistent deployment across different operating systems.

Associate Software Engineer
Bosch
Jan 2019 - Oct 2020

Angular, C Sharp, SQL

- Collaborated closely with product owners to remain updated on intended functionality, ensuring alignment between development efforts and product goals, resulting in a 20% decrease in rework iterations.
- Resolved user issues promptly and efficiently, escalating complex problems to appropriate teams when necessary, resulting in a 25% reduction in average ticket resolution time.
- Engaged in team discussions to address issues collaboratively, applying collective expertise to provide effective resolutions and implement best practices, resulting in a 20% reduction in recurring issues.
- Worked with cross-platform applications ensuring compatibility across different operating systems while maintaining proper version control using Git or Github workflows.

EDUCATION

Bachelor of Engineering In Computer Science (8.7 CGPA)
Lovely Professional University
Aug 2015 - Jul 2019