Sakthivel R

Software Engineer | experience : 3.10 yr

 Bangalore | +91 8329279958

 [LinkedIn](#) | [LeetCode](#) | [PortFolio](#)

 sakthiv9819@gmail.com

Skills

- **Programming:** TypeScript, JavaScript, Python, SQL
- **Backend:** Node.js, NestJS, Express, FastAPI, REST APIs, Microservices, Kafka, Event-Driven Architecture.
- **Frontend:** React.js, Next.js.
- **Databases Infrastructure:** MongoDB, MySQL, Docker, Grafana, Kong API Gateway.

Projects & Contributions

Developer-Utility Package (JSON-CSV Manipulation)

- Sole contributor to a Node.js framework for converting CSV to JSON files with enhanced features.
- Launched the project on npm: [https://www.npmjs.com/ sakthivel,](https://www.npmjs.com/).
- Reduced manual effort by 100% while ensuring data security.
- GitHub repository: https://github.com/RADHAsakthivel/developer-utility.

Developertool.dev Application

- Developed and maintained https://www.developertool.dev, a micro-tool platform for developers.
- Features include date conversion, base64 encoding/decoding, JSON comparison, encryption, and decryption utilities.
- Streamlined multiple daily developer tasks, improving productivity and accuracy.

Experience

Signzy [signzy.com](#) - Software Development Engineer I (Full Stack) July 2025 – Mar 2026
Bangalore

- Designed and developed scalable **full-stack microservices** for fintech and compliance products including **GST, Income Tax, EPFO, and Bank Statement Analysis**, supporting high-volume enterprise workflows.
- Led **high-level and low-level system design** for new platform features, translating business requirements into scalable and fault-tolerant architectures.
- Built optimized **data structures and processing pipelines** for complex financial data ingestion, improving reliability and performance of large-scale data workflows.
- Reduced SFTP connection **failure rate from 10% to less then 2 %** by implementing a **tenant-aware SFTP connection pooling mechanism**.
- Reduced **scraper response latency by 30%** by optimizing data extraction logic, improving concurrency handling, and implementing robust error recovery.
- Implemented **distributed request tracing** across microservices using unique request IDs, significantly reducing debugging time in remote environments.
- Built and maintained **event-driven containerized services** using Kafka and Docker with monitoring and observability via Grafana.
- Handled **50–70K** weekly requests across distributed microservices.
- **Tech Stack:** TypeScript | Python | Go | Kafka | Docker | Grafana | Web Scraping

Advanced Millennium Technologies [amt.in](#) - SDE (Full Stack / Backend / Frontend) Jul 2022 – June 2025
Bangalore

- Streamlined communication and resource management via a CMS for NGOs, volunteers, and displaced individuals, benefiting **10 million people across 40 countries**.
- Facilitated website creation, managed forms and integrated chat functionality, ensuring scalability, security, and reliability.
- Enhanced code maintainability and readability by designing lower-level Angular components strictly adhering to SOLID principles.
- Led the **migration** of the Angular application from version **7 to 17**, improving performance and compatibility across modules.
- Built server-side applications to generate carbon emission standards, connect vendors, clients, and organisations, and maintain APIs for profiles and reports.
- **Improved application efficiency by 30%** using AWS Queues, S3 Buckets, and optimized scrapers.
- **Increased lead conversion ratio by 47%** by building interactive and responsive UI components.
- Developed and deployed frontend websites for multiple domains on Vercel and Netlify, integrating CMS tools like Prismic and Hygraph.
- Improved project profitability by 28% through digital media optimization and process improvements.
- **Key Projects:** NRC (NGO CMS), Retro Green (Carbon Emission Platform), Flanke-7 (Client Websites)
- **Tech Stack:** React | Next.js | Nest.js | MongoDB | Jest.js | AWS | SQS

Education

Scaler 2024
Specialized in Software Development, Data Structures, Algorithms, & SQL.

Anna University 2017
B.E. in Electrical and Electronics.