



Yogeshvar Senthilkumar

Senior Software Engineer

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Senior Software Engineer with 7+ years of experience in developing full-stack solutions and enhancing system efficiency through AI integration. Proficient in database management, API development, and DevOps practices, with a strong focus on optimizing performance and scalability. Demonstrates a collaborative approach, working cross-functionally to deliver impactful software solutions while mentoring junior developers and fostering a culture of continuous learning.

Employment history

Senior Software Engineer, MDThink, Mar 2024 - Present

Maryland

- Develop full-stack solutions for Child Welfare projects, enhancing system efficiency and security.
- Integrate AI tools into workflows, boosting productivity and innovation in social services.
- Optimize SQL queries for better database performance, ensuring reliable data management.
- Automate infrastructure with Bash scripts, streamlining operations and reducing manual tasks.

Technical Advisor, Fitsys India, Jan 2023 - Present

Chennai

- Guide technical decisions and software architecture for robust solutions.
- Mentor junior developers, fostering a culture of continuous learning.

Software Engineer, Gyanmatrix, Jan 2018 - 2021

Bengaluru

- Designed user interfaces for web and mobile, enhancing visual appeal and usability.
- Developed server-side code, ensuring efficient app functionality and performance.
- Collaborated with teams to troubleshoot and resolve issues, maintaining optimal performance.
- Stayed updated with tech trends, contributing to innovative solutions and improvements.

Internships

Research Intern, IITM HTIC MedTech Incubator, Feb 2017 - Mar 2025

Chennai

Developed Android apps for medical devices, including Urosens (v2) for urine output tracking and a wearable health monitor with real-time vitals tracking (SpO₂, ECG, heart rate, etc.), featuring local and cloud data storage via Google Drive.

Education

University of Adelaide, Adelaide, 2021 - 2022

Masters in Computer Science

Graduated with a 6.5/7 GPA.

Conducted research on **GitHub issue and pull request templates** in open-source projects, analyzing 538 repositories via the GitHub API. Identified trends across languages and highlighted how template design impacts community communication and engagement.

Additional Professional Experience

Professional Trainer

Worked as a **Professional Trainer** at GyanMatrix Technologies (Jul 2020 – Jun 2021), where I trained college graduates on full-stack development and the latest tech practices. Previously conducted training at TekTutor (Jul 2019 – Aug 2019), delivering sessions on clean code, CI/CD, Docker, Kubernetes, and modern software development methodologies.

Skills

Database Management

API Development

DevOps Practices

Data Analysis

Software Development

System Architecture