

Amar kumar

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Professional Summary

Results-driven Senior Software Engineer with 4 years of experience specializing in backend development, system architecture, and full-stack solutions. Expertise in Python, Django, React, and cloud technologies. Proven ability to lead teams, optimize systems, and drive business outcomes through innovative technical solutions.

Key Skills

Languages: C++, Python, SQL, JavaScript, Typescript

Frameworks: Django, FastApi, Next.js, React.js

Databases: MySQL, MongoDB, Redis

Other Technologies: Docker, Aws, Git, RESTful, Unit Testing

Education

Indian Institute of Information Technology and Management (IIITM), Gwalior, July 2014 – June 2019
B.Tech + M.Tech in Information Technology

- **Coursework:** Data Structures and Algorithms, Database Management System, System Design and Artificial Intelligence

Experience

Senior Software Engineer, TatvaSoft – Ahmedabad, India Sept 2022 – Present

- Reduced the time to process the automatic resource allocation cron job by optimizing queries for better performance.
- Improved database performance through appropriate indexing, triggers, functions, and stored procedures on the server side.
- Enhanced page load time by implementing techniques such as pagination, fetching only necessary information, lazy loading, and on-demand loading.
- Made the application responsive by utilizing techniques like cursor pagination, chunk processing, and handling large report downloads and imports.

Junior Software Engineer, Synram Technolab – Gwalior, India July 2021 – Sept 2022

- Implemented multiple payment gateways in the application based on its specific requirements.
- Created and managed functionality to handle a large number of ticket bookings on event days.
- Optimized slow-running queries by implementing joins, fetching only necessary information, caching, and using indexes.
- Implemented best security practices to secure the application, including CSP, CAPTCHA, multi-factor authentication, and access control.

Current Project

AI-powered SaaS Platform *In Progress SaaS Platform*

- Spearheaded the development of a full-featured SaaS platform offering analysis-related services powered by AI.
- Built a scalable backend using Django with MySQL, integrated Razorpay for subscriptions, and implemented PDF invoicing and OTP-based verification using AJAX.
- Developed a scalable and secure application by implementing rate-limiting, multi-factor authentication, CAPTCHA, and a content security policy.
- **Tools Used:** Python(3.13), Django(5.2.1), MySQL(8.0.42), Razorpay, JavaScript, HTML, Tailwind CSS, third-party libraries for fetching latitude and longitude.