

SAURABH NAGANE

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Technical Skills

Languages and DataBases: SQL, MySQL, MongoDB, JavaScript, TypeScript

Technologies & Tools: Node Js, Microservices, REST APIs, Docker, Express.js, MQTT, Kafka, WebSockets, Aws S3 bucket, Aws Lambda, Git, GitHub, GitLab, JIRA, Confluence, Slack

Experience/Projects

911 Fintech Solutions

June 2024 – Present

Software Engineer

Bengaluru, India

- Optimized API efficiency by eliminating duplicate invocations across multiple merchant sections, reducing unnecessary network calls, improving system performance, and **enhancing page loading time by 50%**.
- Enhanced observability of the update API by implementing structured logging to capture execution steps and outcomes, **reducing debugging time by 40%** and improving request monitoring.
- Enforced role-based access control within the update API utilizing JSON Web Tokens, preventing unauthorized data modifications and **reducing potential security vulnerabilities by 60%**.
- Participated in code reviews to enhance codebase quality, leading to a **10% decrease in production bugs** and application errors.
- Standardized synchronous event handling in the API by adopting a consistent async-await approach, improving maintainability, ensuring compliance with Node.js Express framework guidelines, and **reducing technical debt by 30%**.
- Node Js, Typescript, JavaScript, Express.js, MySql, Aws, GitHub, JIRA, Confluence, Slack.

AllgoVision Technologies

May 2022 – June 2024

Software Engineer

Bengaluru, India

- Executed live tracking of agents by integrating map functionality using the Leaflet library, complemented with GeoServer for displaying various map layers.
- Delivered Honeywell DVM video integration utilizing iframe embedding, enabling real-time video feed display, and ensuring seamless playback across all browsers (Chrome, Firefox, Safari), **tested with 500+ sessions**.
- Implemented RabbitMQ connection with the MCTServer, **reducing latency in data transfer between backend and frontend by 60%**, ensuring synchronized and real-time updates.
- Streamlined data retrieval by designing efficient database queries to support REST APIs for fetching camera names and DVM URLs, **improved system performance and scalability by 30%**.
- Automated the deployment process using Docker, resulting in a **40% reduction in deployment time** and improved resource utilization across the infrastructure, supporting over 20 applications in production.
- Node Js, MongoDB, Angular, MySQL, JavaScript, Express.js, MQTT, WebSockets, GitLab, Docker.

Personal Projects

Smart Search (2021):

- Smart Search is a product which allows users to search details of a person/vehicle of interest based on various filters. The system comprises common filters applicable to both person and vehicle searches, along with type-specific filters for each category.

E-Commerce (2022):

- Developed a full-fledged e-commerce website using the MEAN stack, enabling users to browse products, add items to the cart, and complete secure transactions. Implemented features such as user authentication, order management, and an intuitive admin panel for product management.

Education

C-DAC Hyderabad

PG Diploma in Advanced Computing,

Sep 2021 - May 2022

Remote

Shivaji University

Bachelor of Technology in Automobile Engineering

Aug 2016 - Sep 2020

Islampur