

Sreehari Nallapaneni

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Skills

Tech Stack: MEAN/MERN, PEAN

Languages: JavaScript, TypeScript, Python, SQL

Frameworks & Libraries: Node.js, Express.js, Angular, ReactJS, Bootstrap, Tailwind CSS

Databases: MongoDB, PostgreSQL, MySQL

Tools & DevOps: Git, Postman, PgAdmin, AWS (S3, Lambda, EC2, API Gateway)

Work Experience

Infosys, Hyderabad

April 2024 – Present

Software Engineer

- Developed **40+** RESTful APIs with secure authentication, clean code practices, and optimized database queries.
- Integrated **15+** core features in a microservices architecture, improving scalability and maintainability.
- Applied lazy loading, and caching to improve page performance by over **30%**.
- Built component-driven reusable UI using Angular for high responsiveness and performance.
- Conducted PR reviews and followed Agile Scrum methodology for efficient team collaboration.

TRC Solutions Pvt. Ltd., Hyderabad

Sept 2022 – April 2024

Software Engineer

- Developed backend services using Node.js and Express.js, improving service performance by 50%.
- Built **80+** secure REST APIs using SQL/NoSQL, following best practices and scalable architecture.
- Enhanced and refactored the source code and scaled the backend server thus improving the performance of the service by almost **70%**.
- Deployed full-stack applications in the cloud with a secure and reliable architecture.
- Improved report scheduler speed by **60%** by optimizing MongoDB queries and implementing batch data fetching.

Tata Elxsi, Bangalore

August 2021 – Sept 2022

Software Engineer

- Designed a reliable data pipeline for IoT devices using Python and PostgreSQL, deployed via AWS Lambda.
- Created **50+** RESTful APIs using Node.js and Express.js for user, order, and product flows.
- Optimized query performance and used caching to enhance system response time.
- Deployed services in AWS cloud (S3, EC2, Lambda, API Gateway) for scalable backend processing.

Way2Online, Hyderabad

May 2020 – May 2021

Software Engineer Intern

- Built SDK with email tracking capabilities integrated with the admin dashboard.
- Developed REST APIs using Node.js and Express.js to retrieve and analyze user email stats.
- Designed user retention and segment search features to enhance product insights.
- Collaborated with a team to build frontend modules using Angular and integrated APIs.

Education

IIIT RK Valley

July 2015 – Aug 2021

B.Tech. in Computer Science and Engineering

CGPA: 8.1/10

PUC (Pre-University Course) – MPC Stream

CGPA: 7.6/10

Project Work

- **YouTube AI Agent – Intelligent Video Fetching & Comparision:** Built an AI-Agent using a REST architecture inspired by the **MCP (Message Control Protocol)** architecture to retrieve and compare the YouTube videos. Developed a suite of custom tools using the **YouTube Data API** for video and its metadata retrieval. Integrated an LLM-based reasoning module for contextual responses to the user. [Live Demo](#)
- **ReportsForge – Report Automation Platform:** Designed and implemented a full-stack web application using the **PEAN stack (PostgreSQL, Express.js, Angular, Node.js)** for generating automated reports. Implemented Google OAuth for login and Integrated **Nextcloud Office Suite** to enable custom template creation and document editing in-browser. Deployed the platform using **Docker and Nginx** for containerized, production-ready hosting. [Live Demo](#)
- **Email Tracking & Analytics (Chrome Extension):** Built a browser-to-server SDK that tracked **email opens, clicks, and user behavior**. Designed RESTful APIs using **Express.js** and displayed analytics in a secure admin portal. Enabled real-time visualization of email statistics, improving product decision-making by enhancing data visibility. [Live Demo](#)

Awards and Certificates

- **AWS Architecting on AWS with Jam (Certificate of Completion):** 4-day hands-on training by AWS on designing and deploying scalable, secure cloud architectures. (Completed: May 2022)
- **Insta Raise Award (x2):** Received consecutive quarterly recognition as **Best Performer in Project Delivery** at **Infosys** for exceeding quality and timeline metrics. (Jan 2025, Jun 2025)