

Hariharan A

Software Analyst

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Professional Summary

Results-driven Backend Node.js Developer with 3 years of experience in designing, developing, and maintaining scalable server-side applications. Proficient in JavaScript, Node.js, and the MERN stack. Skilled in RESTful API, GraphQL design, backend optimization, database management (relational and NoSQL), and Third-party API integration.

Technical Skills

Skills: JavaScript, Node.js, Express.js, Sails.js, Apache CouchDB, MongoDB, Mongoose, PostgreSQL, Oracle DB, Redis, REST API, Chatbot, LangChain.js, RAG, LLM Models, Pinecone, Vector Database, Pm2, MySQL, Docker, Podman, Git, GitHub, GitLab, Websockets, Postman, SonarLint, SonarQube, WinScp, Mputty, HTML, CSS, ReactJS, Angular, Sequelize ORM, JSON, Design patterns, GraphQL, Microservices, Caching, Cluster, Multithreading, Data Structures and Algorithms (DSA). Strong analytical, problem-solving, and leadership skills with experience in team collaboration.

Experience

Software Analyst (February 2022 - Present)

Chain-sys India Pvt Ltd, Madurai, Tamil Nadu

Project: SmartAppBuilder

Key Responsibilities:

- Developed a scalable data-fetching mechanism to retrieve multilevel relational architecture hierarchy object data from CouchDB enables the seamless display of millions of records on a single user request, ensuring optimal performance.
- Integrated various Payment gateway services on the application, such as RazorPay, PayPal, and Stripe, with JWT, OAuth2.0 Strategy authentication protocols for secure payment services and ensuring seamless functionality.
- Integrated Google Location API for user navigation experience with caching, OAuth, and RateLimiting Strategy.
- Designed and optimized backend server application, improving system performance response times by 30%.
- Implemented Pm2 cluster over microservices for improving server efficiency and performed a Redis caching strategy for logged user session management and reducing expensive API calls.
- Collaborated with cross-functional teams (Angular, UI/UX) to gather requirements, define technical specifications, to meet project goals, also ensured code quality with SonarLint.
- Adhered to Agile methodologies, actively participating in sprints and code reviews.

Education

Bachelor of Engineering from AVS Engineering College (August 2018 - July 2022)

CSE - 8.42 CGPA

Projects

SmartAppBuilder

Technologies: Nodejs, SailsJs, CouchDB, PostgreSQL, Angular, Redis

This platform allows the creation of customized applications based on individual client requirements. It employs prebuilt application templates and reusable code. Smart App Builder simplifies the application creation process, enabling users to deploy applications to any browser or mobile platform.

Data Loader / Data Pusher

Technologies: Nodejs, ExpressJs, PostgreSQL, JWT, Redis

Created a data loader into our application using an Excel sheet and a web application that receives JSON, data for an account and forwards it to various destinations using webhook URLs.

RAG Chatbot

Technologies: Nodejs, Langchain.js, Pinecone, RAG, Gemini LLM, CouchDB

A RAG-powered chatbot using LangChain.js, Gemini LLM, and Pinecone for intelligent retrieval. It integrates tools like calendar, meeting scheduler, weather, and time, enabling smart, context-aware assistance for both personal productivity

and interactive information retrieval.