

# Hariharan A

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## 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.

## EXPERIENCE

### Software Analyst

Chain-sys India Pvt Ltd

February 2022 - Present, Madurai, Tamil Nadu

- 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.

## PROJECT

### SmartAppBuilder

- 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.

### AI Chatbot

- 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.

### Data Loader / Data Pusher

- 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.

## EDUCATION

### Bachelor of Engineering

AVS Engineering College • August 2018 - July 2022 • 8.42 CGPA

## SKILLS

JavaScript, Node.js, Express.js, Sails.js, Apache CouchDB, MongoDB, Mongoose, PostgreSQL, Oracle DB, MySQL, Redis,

Chatbot, LangchainJs, RAG, LLM Models ,Gemini Models, Pinecone, Vector Database

REST API, HTML, CSS, ReactJS, Angular, JSON, GraphQL, websocket, webhook

Git, GitHub, GitLab, Docker, Podman, WinSCP, Mputty, AWS S3

Pm2, Sequelize ORM, Design patterns, Microservices, Caching, Cluster, Multithreading, Data Structures and Algorithms (DSA)

Postman, SonarLint, SonarQube