

Hema kumar M

BACKEND DEVELOPER

Optimized Node.js backend API endpoints, reducing average latency by 40% and improving response times for over 5,000 active users accessing the platform daily, through efficient code refactoring.

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WORK EXPERIENCE

Backend Developer Willeder Inc

10/2023 - Present

Shinjuku-ku, Tokyo, Japan

Project Highlights

- Improved backend efficiency by integrating **TypeScript**, reducing error rates by 15%.
- Designed and documented APIs for seamless integration and communication.
- Optimized Node.js APIs, cutting latency by 40% for **5,000+** daily users.

website : willeder.com

Backend Developer Primates Development Pvt Ltd

09/2022 - 10/2023

Chennai

Project Highlights

- Solved database queries and caching mechanisms for a 30% reduction in server response time.
- Accelerated debugging processes through implementation of enhanced logging and tracing tools, leading to a **15% reduction in error rates** and resolved 5 critical system bugs.
- Automated **CI/CD pipelines** using **GitHub Actions**, saving **20 hours/month** on deployments.

website : primatesdev.com

Backend Developer - Internship Xperdes Studios Pvt

01/2022 - 08/2022

Vellore

Project Highlights

- 1st Place** winner at **Mars Asia Hackathon** for building **Block Space**, a decentralized storage dApp using **IPFS & Polygon SDK**.
- Implemented **stateless JWT authentication**, boosting security & reducing server load by **20%**.
- Documented API/auth workflows in **Confluence**, reducing onboarding time by **30%**.

EDUCATION

B.E. Computer Science Global Institute of Engineering and Technology

08/2018 - 07/2022

Ranipet District, Melvisharam,
Tamilnadu

Computer sciences

- CGPA: 8.5/10

SKILLS

Typescript

SQL

EC2

REST API

Firebase

Express.js

Socket.io

Mongodb

Docker

TypeORM

Oracle DB

S3

AWS Lambda

Route 53

API development

Database design

Flowchart design

Git

Jest

Supertest

nginx

apache2

Load Balancing

PROJECTS

tripxplo.com (Holiday Booking Platform) (01/2024 - Present)

- Developed RESTful APIs handling **50,000+ concurrent users**, improving response times by 35%.
- Improved Node.js and Express.js to **efficiently** handle 50,000+ users, improving API speed by 35% through caching and load balancing.
- Integrated **UPI payment system**, increasing transaction rates by 25%.

ACHIEVEMENTS

- 1st Place - Mars Asia Hackathon (Polygon Blockchain) (11/2021)

LANGUAGES

Tamil

Native or Bilingual Proficiency

English

Full Professional Proficiency