Sadhasivam Sekar

Associate Software Engineer

+91 6374797422 | sadha30102001@gmail.com | linkedin.com/in/sadhasivam-sekar/ | github.com/sadhahacker

SUMMARY

Performance-driven Backend Developer with 2 years of experience architecting scalable web applications within the Laravel ecosystem. Experienced in implementing robust API services, optimizing database performance, and writing clean, testable code following SOLID principles. Skilled in building high-availability systems, leveraging advanced Eloquent ORM strategies and caching mechanisms to reduce latency and improve server efficiency. Dedicated to maintaining codebase integrity through rigorous unit testing, ensuring seamless deployments and long-term project maintainability.

TECHNICAL SKILLS

Languages: PHP, Java, JavaScript, SQL
Frameworks: Laravel, RESTful APIs
Database: MySQL
Concepts & Practices: Object-Oriented Programming (OOP), MVC architecture, SOLID principles, System Design, Data Structures & Algorithms, Test-Driven Development (TDD), Unit Testing
Tools & Platforms: Git, GitHub, Postman, Linux

WORK EXPERIENCE

Associate Software Engineer   Apr 2024 - Present
Ladybird Web Solutions Pvt. Ltd.   *Bangalore, India*

- Developed and maintained modular, scalable web applications using industry best practices, improving code maintainability and reducing long-term technical debt.
- Led a migration from a monolithic, server-rendered architecture to a decoupled, API-first system, resulting in optimized frontend load times and more flexible backend deployments.
- Designed and implemented secure RESTful APIs supporting 5+ internal and third-party integrations, significantly reducing manual cross-platform processing.
- Optimized system performance by refactoring legacy modules, improving database indexing, and introducing caching layers, leading to decreased latency and maximized throughput.
- Enhanced application security through advanced request validation, rate limiting, and bot-mitigation mechanisms, reducing malicious traffic and improving transaction reliability.

PROJECTS

Crypto Trading Bot | GitHub   Aug 2025 – Present

- Designed and developed an automated cryptocurrency trading system to reduce manual and emotion-driven trading.
- Integrated external exchange APIs to fetch real-time market data and trigger trade actions programmatically.
- Implemented rule-based trading logic to execute trades consistently based on predefined strategies.
- Added configurable parameters to easily adjust trading behavior without changing core implementation.

LinguaBot | GitHub   Sep 2025 – Present

- Designed and developed a flexible solution to convert bulk key–value inputs into multiple structured output formats.
- Designed a text-based interface supporting multi-key and multi-input entries to streamline batch conversions.
- Implemented automated transformation of inputs into formats such as JSON, PHP arrays, and other structured representations.
- Integrated multiple AI models to enable intelligent formatting and flexible output generation.

EDUCATION

University College of Engineering Anna University (BIT Campus)   Tiruchirappalli, India
B. Tech Information Technology   *2019 – 2023*

Dawn Matric Hr Sec School   Dharmapuri, India
Higher Secondary (Class 12) & SSLC (Class 10)   *2016 – 2019*