

SHIVAM JHA

FULL STACK DEVELOPER

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SUMMARY

Full Stack Developer with 4+ years of experience in building scalable, high-performance web applications using modern JavaScript frameworks. Known for delivering real-time, multilingual platforms with measurable performance gains. Strong focus on system architecture, database optimization, and automation.

PROFESSIONAL EXPERIENCE

Software Developer, Hoop Konsulting

Jul 2024 – Present

- Developed a multilingual Bike Community App using Node.js, NestJS, Angular, and PostgreSQL, serving over 10,000 active users.
- Reduced image load time by 94% (from 800ms to 41ms) by integrating AWS CloudFront and optimizing media processing.
- Built background upload logic for compressed images/videos and chunk-based video streaming, enhancing mobile performance.
- Enabled real-time messaging and user presence detection using WebSockets and in-app notifications.
- Improved chat performance and message retrieval with cursor-based pagination and indexed searches.
- Boosted backend performance by 40% with PostgreSQL indexing, transactions, and Redis-based caching.
- Designed a microservice architecture for broadcasting push notifications using Bull, Redis, and Firebase FCM.
- Containerized services using Docker and maintained API documentation using Swagger.
- Enhanced multilingual support using i18n modules, allowing seamless language switching for users in 3+ locales.

Backend Developer, Webhoppers Infotech Pvt. Ltd.

Dec 2021 – Jun 2024

- Delivered a CRM system for the pharmaceutical sector, managing 1M+ lead records with optimized MySQL queries and Redis caching.
- Automated Excel/CSV data import-export tools, reducing admin time by 30%.
- Created a bulk WhatsApp campaign engine supporting 50,000+ messages/batch, with failure tracking and analytics.
- Automated external API integrations, decreasing onboarding time by 50%.
- Designed CMS admin panel and enforced secure access using Laravel Sanctum.
- Achieved 99.9% read availability using master-slave replication and containerized infrastructure via Docker.
- Reduced deployment time by 40% using CI/CD automation with pipelines.

PHP Developer, Duke Infosys Pvt. Ltd.

Feb 2021 – Nov 2021

- Built secure APIs for a school management system, covering attendance, payroll, and admissions for 5+ institutions.
- Reduced average data fetch time by 25% using MySQL indexing and Redis caching.
- Collaborated with frontend teams to streamline API integration and testing.
- Contributed to internal dashboard features, helping reduce administrative response time by 20%

CORE SKILLS

- Languages:** TypeScript, JavaScript, PHP
 - Frameworks:** Node.js, NestJS, Laravel, Express.js
 - Concepts:** REST APIs, WebSockets, JWT, RBAC, Agile, Microservices, Caching, Task Scheduling
- Databases:** MySQL, PostgreSQL, Prisma ORM, Redis
 - DevOps & Tools:** AWS (S3, CloudFront, Transcoder), Docker, Git, Firebase (FCM), Bull, Swagger, CI/CD
 - Frontend:** Angular, HTML5, CSS3

EDUCATION

Bachelor of Computer Applications (BCA)

2017 – 2020

GGDSD College, Chandigarh | Panjab University