

Rudranarayan Roul

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Summary

Full Stack Developer with 2+ years of experience building scalable, high-performance web applications using **React, Node.js, Express.js, Laravel, MySQL, MongoDB, AWS & Docker**. Strong expertise in **RESTful APIs, authentication (JWT/OAuth), microservices, WebRTC**, and performance optimization. Proven ability to deliver end-to-end features, automate deployments, and improve system efficiency through clean code, caching, and Agile practices.

Skills

Languages:	JavaScript (ES6+), TypeScript, PHP, Python, HTML5, CSS3
Frontend:	React.js, Next.js, Redux Toolkit, React Native, Tailwind CSS, Bootstrap
Backend:	Node.js, Express.js, Laravel, REST API Development, Microservices
Database:	MySQL, MongoDB, PostgreSQL, Firebase
Auth & Security:	JWT, OAuth (Google/GitHub), bcrypt, API Security, Role-Based Access Control
DevOps & Cloud:	Git, GitHub, Docker, AWS (EC2, S3), CI/CD (GitHub Actions), Redis, Nginx
Testing & Tools:	Postman, Swagger, Chrome DevTools, VS Code
Web Services:	JSON, XML, MVC Architecture, Server-Side Rendering (SSR)

Experience

Full Stack Developer | Helson Software Solutions Private Limited, Hyderabad | 2023 – Present

- Built and maintained scalable apps using **React, Node.js/Laravel**, improving API and UI performance by **30–40%** through caching, optimized queries, and reusable components.
- Developed secure **REST APIs** with JWT/OAuth, validations, and rate limiting, ensuring **99%+ uptime**.
- Managed deployments on **AWS EC2, S3, cPanel**, handled hotfixes, environment setup, SSL, DNS, CI/CD & automated database backups.
- Collaborated with UI/UX, QA & backend teams delivering features from requirements → development → testing → release using **Agile Scrum**.
- Created reusable UI components and internal NPM modules, reducing development time by 20%.

Projects

AI-Powered Learning Management System (LMS) 2024 – Present

Tech Stack: React/Next.js, Node.js, Express.js, MongoDB, WebRTC, OpenAI API, JWT Auth, AWS S3

- Built complete LMS where users watch videos, join live classes, attempt quizzes & get certificates.
- Integrated **WebRTC/Zoom SDK** for real-time classes with attendance tracking, recording & live chat.
- Implemented **Stripe/Razorpay payments**, automated invoice generation & transaction analytics.
- Designed scalable backend with **modular architecture**, improving API response speed by **35%**.

Enterprise HRMS – Attendance, Payroll & Employee Management 2022 – 2023

Tech Stack: Laravel, MySQL, React, REST APIs, JWT Auth, AWS, Cron Jobs

- Developed attendance, leaves, performance & payroll modules for 1000+ employees.
- Implemented cron jobs for **daily attendance sync, monthly payroll processing & SMS/email alerts**.
- Optimized database indexing & caching, improving API performance by **40%**.
- Deployed on AWS with CI/CD pipeline, automated backups & monitoring via CloudWatch.

Education Qualification

Master of Computer Applications	2022 - 2024
Chandigarh University, Punjab	8.2/10 CGPA
Bachelor of Science	2018 - 2021
Utkal University, Bhubaneswar	8.2/10 CGPA

Certifications, Training & Achievements

- JavaScript Advanced – **Top 5%** among 12,000+ developers (Cutshort)
- Software Developer Associate – **NSDC, Govt. of India**