

Bhagvendra Singh Parihar

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Experience

Infinity Genesis Techso Pvt. Ltd

Backend Developer

Indore, Madhya Pradesh

November 2024 - Present

- Followed Agile practices across sprint planning, code reviews, and system design discussions with engineering, product, and QA teams, reducing onboarding time for new developers by 35%.
- Delivered 250+ REST APIs across core product modules, improving request performance by 30-50% through targeted query optimizations and indexing.
- Designed a bulk export pipeline for Excel and PDF on PostgreSQL using a Factory design pattern (OCP-compliant), Sequelize ORM, and Zod validation – allowing new export formats to be added with zero changes to existing code.

DiracERP Solution

Software Developer Trainee

Gurugram, Haryana

May 2024 - October 2024

- Built WoodNapi, a Flutter-based offline app using GetX and sqflite with Node.js REST APIs for server-side data sync – delivering 95% offline functionality while maintaining centralized data integrity.
- Architected Mavtra's real-time attendance system using Node.js and Express.js, integrating face authentication and GPS-based location tracking – boosting attendance accuracy by 92% and cutting manual entries by 40%.

Projects

Appviser - Automotive Workshop Management SaaS | *Microservices, AWS, Redis, CI/CD*

- Engineered 250+ REST APIs covering schema design, aggregations, indexing, and filters across appointments, inventory, and multi-tier onboarding – improving system performance by 30-50%.
- Wired an ETL data pipeline using BullMQ and Redis – processed 20,000+ rows via ExcelJS across 8 concurrent jobs, applying tenant-wise transformation logic with Winston logging and real-time SSE progress tracking (peak memory: approx. 100MB).
- Structured the organization onboarding system for 4+ business tiers, integrating payments, subscriptions, and approval steps to accelerate setup for workshops and agencies.
- Managed role and permission controls for 20+ roles using CASL and Zod, enforcing feature-level access across all platform modules.
- Configured advanced geospatial routing using MongoDB geospatial indexes and AWS Location Service for roadside assistance, boosting mechanic dispatch accuracy by 40% and reducing wait times for 500+ monthly requests.
- Processed 1,000+ monthly payments with compliant invoicing by integrating AWS S3, Kafka events, Redis rate limiting, gRPC services, and Mexican CFDI + PAC stamping, cutting backend load by 40%.

CodeNesters | *React.js, Node.js, Express.js, MongoDB, Bootstrap, AWS, Razorpay*

- Secured sign-up and login flows using JWT authentication, password hashing, and reset password functionality, onboarding 50+ registered users onto the platform.
- Reduced bandwidth by 40-50% using pre-signed URLs for direct AWS S3 uploads and improved performance by 30-40% through caching redundant data.

Technical Skills

Languages: C++, JavaScript, TypeScript

Frontend: HTML, CSS, Bootstrap, React.js, AJAX

Backend: Node.js, Express.js, REST API Development, Microservices, BullMQ, Kafka, gRPC, SSE, CI/CD

Databases: MongoDB, PostgreSQL, Redis, Sequelize ORM

Cloud Services: AWS S3, AWS EC2, AWS Location Service, AWS Cognito, AWS Lambda

Others: Docker, Git/GitHub, GitHub Actions, JWT/OAuth, Zod, Winston

Education

Raipur Institute of Technology

B.Tech. in CSE, CGPA: 8.7

Raipur, Chhattisgarh

2020 - 2024

Bal Bharti Public School

Class 12th in PCM, Percentage: 86

Amarpatan, Madhya Pradesh

2019 - 2020

Achievements

- Hosted interactive sessions, driving a 90% attendance rate among enrolled students.
- Mentored 40+ students through workshops, increasing proficiency levels by 30%.