Alavala Vinay *Software Engineer | MERN Stack Developer*

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https://vinayportfolio1.vercel.app/ | github.com/Vinayalavala

Career objective

Results-driven MERN Stack Developer with strong problem-solving skills and hands-on experience in building scalable full-stack applications. Proven ability to craft intuitive front-ends, efficient server-side logic, and optimized database structures. Eager to contribute to dynamic teams and build secure, cloud-integrated applications that drive innovation.

Projects

Subscription Manager
Node.js, Express.js, MongoDB, Upstash
- Designed scalable MongoDB schemas to manage subscription plans.
- Implemented backend logic and real-time updates using Upstash.
- Integrated with third-party APIs for scheduling and notifications.

One-on-One Chat App
Next.js, Tailwind, Redis, Pusher, TypeScript
- Built secure WebSocket-based messaging with real-time features.
- Used Google OAuth for login, Redis for session persistence, and Pusher for events.

Ride Booking System
React, Node.js, Express, Google Maps API, MongoDB
present
- Designed a ride matching and tracking system with real-time location updates and fare estimation.
- Developed REST APIs and integrated real-time ride matching and location tracking.

MERN Chat Application
(*MongoDB, Express.js, React.js, Node.js, Socket.io*)
- Built a role-based real-time chat system with JWT authentication, online presence tracking, and secure messaging.
- Integrated WebSockets for dynamic data flow; implemented state management for responsive UI.

Technical Skills

Technicals
- **Languages:** JavaScript, TypeScript, Java, HTML, CSS, SQL
- **Frontend:** React.js, Next.js, Tailwind CSS
- **Backend:** Node.js, Express.js, Spring Boot
- **Databases:** MongoDB, MySQL, Redis
- **Cloud & Tools:** Git, Docker, Postman, AWS (EC2, S3 - familiar), Socket.io ⊠ , WebSockets
- **Practices:** REST APIs, Agile/Scrum, TDD, CI/CD, Code Versioning (Git)

Professional Experience

Full Stack Developer
Infosys Springboard
Feb 2025 – Apr 2025
- Defined feature requirements, led agile sprint planning, and ensured high-quality software delivery.
- Integrated frontend (Thymeleaf) and backend (Spring Boot, MySQL) with responsive UI and scalable backend services.
- Led end-to-end development of a full-stack delivery platform.
- Conducted sprint planning, version control via Git, and continuous deployment testing.
- Integrated responsive UI with scalable backend services using RESTful architecture.

Certificates

- MongoDB Developer Certified
- Responsive Web Design (freeCodeCamp)
- Java Programming (Infosys Springboard)
- Software Engineering and Agile Methodologies (Infosys Springboard)
- SQL Certified (SimpliLearn)

Education

Dr.M.G.R Educational and research Institute
Bachelor of Engineering, Computer Science and Engineering
Nov 2021 – May 2025 | Chennai, India
Current CGPA - 8.41

Narayana Jr. College
Board of Intermediate Education Andhra Pradesh
Jun 2019 – May 2021 | Guntur, India
Percentage - 89.5 %

Bhashyam Blooms
AIS
2018 – 2019 | Hyderabad, Telangana
GPA - 8.8

Languages

- English
- Telugu
- Hindi

Declaration

I here by declare that the above mentioned information is correct up to my knowledge and I here the responsibility for the correctness of the above mentioned particulars.