PAVAN KUMAR CHINCHALPET

pavanchinchalpet@gmail.com | 7032832362 | Linkedin.com/in/pavanchinchalpet
https://github.com/pavanchinchalpet | https://portfolio-pavanchinchalpet.vercel.app

PROFESSIONAL SUMMARY

Full Stack Developer with hands-on experience in building scalable, high-performance, and user-centric web applications. Skilled in designing clean backend architectures, developing responsive frontends, optimizing APIs, and deploying production-ready systems. Strong expertise across the React.js/Next.js ecosystems with proven success in delivering LMS, CRM, and enterprise platforms. Passionate about performance optimization, problem-solving, and creating impactful digital products.

SKILLS

Languages: Javascript, Typescript, Java, Python

Frontend: HTML, CSS, Tailwind CSS, Bootstrap, React.js,Next.js

Backend: Node.js, Express.js,Nest.js, Spring Boot

API: RESTful APIs , GraphQL APIs

Database: PostgreSQL, MongoDB, Supabase, Neon

Operating Systems: Windows, Linux

Tools & Platforms: Git, GitHub, Postman, VS Code, Vercel, Render, CI/CD

Others: JWT Authentication, API Integration, Responsive Design, Deployment, Debugging & Testing

EXPERIENCE

Full Stack Developer — Datavalley.ai   Nov 2024 - Present

Project: – CRM Application

Tech Stack: Next.js, React, TypeScript, Tailwind CSS, Apollo Server, NestJS, Node.js, PostgreSQL, JWT, Git

Live:- https://crm.datavalley.ai

- Built a scalable CRM using Next.js and NestJS (TypeScript) with a modular architecture (Controller, Service, Repository) managing entities, workflows, and user permissions.
- Implemented OTP email login using Nodemailer and secure JWT-based authentication with RBAC via NestJS Guards.
- Designed relational database models in PostgreSQL (Neon) for Leads, Contacts, and Organizations, and developed clean REST & GraphQL APIs.
- Improved API performance through Postgres indexing and in-memory caching; optimized frontend data fetching using TanStack Query.
- Developed responsive Next.js UI components and added bulk CSV/Excel upload with custom validation and real-time status updates.

Project: – Learning Management System (LMS)

Tech Stack: Next.js, React, TypeScript, Tailwind CSS, Node.js, Express.js, MongoDB, JWT, Wasabi S3

Live:- https://learning.datavalley.ai

- Architected and deployed a scalable LMS platform with secure multi-role management, high-concurrency handling, and JWT authentication for 500+ users.
- Implemented automated workflows for video streaming, course management, daily assessments, and real-time coding challenges using Judge0 API and OpenAI-powered adaptive quiz feedback.
- Built analytics dashboards in Next.js/Tailwind for trainers and admins to track progress, quiz performance, and learning metrics; added bulk upload features for grades and assets.
- Achieved sub-second API responses by integrating Redis caching and database indexing; enabled scalable media delivery using Wasabi S3 and automated CI/CD on Vercel and Render.
- Ensured production stability through proactive error handling, health checks, and fast rollback routines, enabling uninterrupted releases and continuous feature updates.

PROJECTS

Project: – Quiz Sprint (Learning Platform)
Tech Stack: React.js, Node.js, Express.js, PostgreSQL, Supabase, Nodemailer, Socket.IO, JWT, Axios.
Live: – https://learn-mern-pied.vercel.app
Git repo: – https://github.com/pavanchinchalpet/learn-mern

- Developed a full-stack quiz platform using the MERN stack with Supabase integration, interactive assessments, and real-time progress tracking.
- Designed optimized PostgreSQL schemas and integrated JWT authentication, OTP verification, and responsive UI functionality for secure, interactive, and engaging user experiences.
- Built a scalable admin dashboard and responsive React frontend with quiz management, scoring systems, and gamification features to enhance learner engagement.

Project: – Healthcare Management System
Tech Stack: Next.js, TypeScript, Tailwind CSS, Apollo Client, NestJS, GraphQL, Apollo Server, PostgreSQL
Live: – https://healthcare-eight-bay.vercel.app
Git repo: – https://github.com/pavanchinchalpet/Healthcare

- Implemented a high-performance healthcare management platform using modern web technologies, ensuring sub-second load times and zero layout shift across all pages.
- Optimized performance through GraphQL query tuning, database connection pooling, and Apollo Client caching, reducing load time from 3.72s to under 0.5s.
- Implemented production-ready features like skeleton loading, responsive UI, and seamless data flow, demonstrating strong problem-solving and deployment expertise.

CERTIFICATES

HackerRank Software Engineer Skill Certificate 🌐

Skills covered: Problem Solving, SQL, REST API.
Proven expertise in key software development skills through a rigorous certification test.

Codechef frontend Certificate 🌐

Skills covered: html,css,javascript.
Recognized for practical expertise in building responsive and interactive web interfaces.

EDUCATION

Bachelor of Technology in Computer Science Engineering
Annamacharya Institute of Technology and Sciences

Aug 2019 - Nov 2023

Intermediate (Mathematics, Physics, Chemistry)
Narayana Junior College.

Jun 2017 - Mar 2019