

Personal Info

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Technologies

 HTML CSS JavaScript TypeScript SQL

Frameworks:

 Node JS React JS Next JS Payload CMS React Native

Databases:

 MongoDB PostgreSQL Redis

Containerization:

 Docker

Cloud:

 Amazon Web Services

Messaging /

Streaming:

 Apache Kafka

UI/UX:

 Figma Photoshop

I am a Full Stack Developer skilled in **HTML, CSS, JavaScript, TypeScript, ReactJS, NextJS, PayloadCMS, NodeJs, ExpressJs, MongoDB, and PostgreSQL**. With a primary focus on backend architecture, I prioritize End-to-End Type Safety by maintaining a private NPM package to standardize **Zod** validation schemas across both client and server environments.

My backend workflow leverages **Node.js** and **Express.js**, utilizing Mongoose for MongoDB and Sequelize (TypeScript ORM) for PostgreSQL. I heavily use complex **MongoDB aggregation pipelines** for efficient data handling, alongside **Redis** as a high-performance caching layer and message broker. On the frontend, I manage server state and API interactions using **TanStack Query** and **Axios**, while handling global state with **Zustand** and **useContext**, **useReducer** and ensuring robust data entry using **React Hook Form**.

Regarding **Cloud Infrastructure & DevOps**, I strictly **Dockerize** applications and manage comprehensive **AWS** environments. My expertise includes orchestrating containers via **EC2, ECR, and ECS**, and designing serverless, event-driven architectures using **Lambda, SQS, and SNS**. I leverage **Kafka** as a distributed backbone alongside **EventBridge** for system observability, while managing secure package delivery via **CodeArtifact** and enforcing security standards using **Secrets Manager, IAM, and Cognito**. I am deeply passionate about building scalable applications from the ground up, turning raw ideas into fully deployed, production-ready products.

EXPERIENCE

MERN Stack Developer

Lifemine Technologies / Webpipl Solutions | 07/2024 – Present

Managing workflows for both entities, I develop full-stack web applications using the MERN stack and TypeScript. My core responsibility is managing backend logic and production databases to ensure system stability. I actively optimize existing Webpipl codebases while building performant and interactive UIs for new Lifemine projects.

Full Stack Developer (Remote) (esop)

NewOwl AI | 03/2024 – 08/2024

Specialized in Node.js and Express.js to build robust server-side applications. I managed PostgreSQL databases, designing efficient schemas and writing complex SQL queries to ensure data integrity and performance.

Skills	EDUCATION
Leadership skills Teamwork Strong mathematical abilities Quick Learning & adaptability Communications skills	Bachelor of Engineering (B.E.) in Civil Engineering: S.R.K.R Engineering College, Andhra University — GPA: 6.76/10 (2016–2021) Intermediate (M.P.C): Aditya Junior College, Andhra Pradesh — Total: 681/1000 (2014–2016) Secondary School Certificate (SSC): Sri Kakatiya Merit School, Andhra Pradesh — GPA: 7.3/10 (2014)
Languages	PROFESSIONAL SKILLS
English – Proficient Telugu – Native Hindi – Basic	➤ GitHub: Experienced with version control, including repository creation, cloning, committing changes, and pushing updates. Skilled in using Git submodules, tags, branching, and pull requests for team collaboration and project management. ➤ Visual Studio Code (VS Code): Proficient in using VS Code for editing and navigating code, utilizing extensions like ESLint and Prettier, and debugging. Comfortable with customizing settings to improve development workflows. ➤ Linux: Familiar with Linux systems, basic terminal commands, file management, and using package managers. Experienced in running Git and automating tasks with simple shell scripts. ➤ Attention to Detail: Careful and meticulous approach to coding, testing, and debugging, ensuring that work is error-free and meets high-quality standards. ➤ Advanced Excel Skills: Skilled in using advanced Excel functions, including data management, dynamic charts, PivotTables, VBA macros, and conditional formatting for efficient analysis and reporting. ➤ Document Creation & Formatting: Proficient in creating and formatting reports, proposals, presentations, and correspondence using Microsoft Word, PowerPoint, and Adobe Acrobat. Able to integrate multimedia elements to enhance presentations. ➤ Video & Image Editing: Experienced in using Adobe Photoshop and PowerDirector for image editing, color correction, resizing, and creating basic animations for multimedia content. ➤ Computer Skills & System Administration: Knowledgeable in troubleshooting software and hardware issues, Windows OS installation, and basic system administration tasks. Skilled in software maintenance and updates. ➤ Work Ethic & Professionalism: Demonstrates a strong commitment to quality, consistency, and ethical standards in all aspects of work.
Hobbies	
Cricket, Tennis, Shuttle Brushing up latest Technology Video editor Photography	
Software	
Microsoft Office – Excel, Word, PowerPoint etc. Photoshop Adobe illustrator After effects Premiere pro Audacity Cyberlink Power Director	
GITHUB - https://github.com/PavanGuptaZ LinkedIn - https://www.linkedin.com/in/pavanguptaz	