# BALA VARDHAN PULA
Fullstack Developer

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Hyderabad, INDIA

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3 Years 8 Months of experience

## PROFILE SUMMARY

Full Stack Engineer with 4 years of experience building scalable SaaS and product platforms. Specialized in the MERN stack (MongoDB, Express, React, Node.js) with a strong backend focus, including system design, Redis caching, and AI-powered vector search. Proven track record of modernizing large legacy applications, including re-architecting a 100+ page PHP system into a modular platform that reduced code redundancy by 95%. Experienced in building secure, production-ready systems with OAuth-based authentication, payment integrations, and performance optimization.

## WORK EXPERIENCE

### Fullstack Developer

HR Geckos
10-2024 - Present

Re-architected a monolithic legacy application into a modular, component-based system, reducing technical debt and code redundancy by 95% and significantly improving maintainability.
Designed and implemented a multi-step policy approval workflow with role-based access control (RBAC) to support structured approvals and compliance requirements.
Built a dynamic document generation module with integrated digital signatures and audit tracking to enable secure end-to-end policy lifecycle management.

### Fullstack Developer

Tata Consultancy Services (TCS)
12-2021 - 06-2024

Developed and optimized frontend modules using React.js and Next.js, contributing to improved load performance through techniques such as

## KEY SKILLS

React.js   Node.js   Next.js   MongoDB
JavaScript   TypeScript   Redis   Redux
AWS   Tailwind CSS

## CERTIFICATION

Full Stack Web Development -IRC, CCBP Tech 4.0 Intensive Program
Valid upto November 2021

## PROJECTS

**VKart (Full-Stack MERN E-Commerce Platform)**
138 Days

Developed a full-stack e-commerce platform using the MERN stack with a modular, production-ready architecture focused on scalability and maintainability.
Implemented secure authentication and authorization using JWT, Google OAuth, and role-based access control for user and admin workflows.
Integrated Razorpay checkout with backend webhook verification to ensure reliable and consistent payment status handling.
Designed and implemented AI-powered semantic product search using vector embeddings and MongoDB Vector Search to improve product discovery beyond keyword-based search.
Improved API performance by integrating Redis caching for frequently accessed product data, reducing database load and response latency.
Built a secure, responsive admin dashboard using Tailwind CSS to manage products, users, and orders efficiently.

lazy loading and component optimization.
Worked with Redux Toolkit for state management, helping reduce redundant API calls and improve data consistency across dashboards.
Collaborated within Agile teams to debug issues, implement enhancements, and deliver production-ready features while following clean code and review practices.

## 🎓 EDUCATION

**B.Tech/B.E. - Electronics/Telecommunication**

**2020**

lakireddy bali reddy college of engineering

Grade - 7.7/10

**Class XII**

**2016**
Other, English

Marks - 75-79.9%