

Yeshwanth Krishna

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PROFESSIONAL SUMMARY

Software Development Engineer at **NSRY, SVP** with a proven track record of architecting scalable MERN stack applications and integrating AI-driven analytics. Experienced in optimizing mission-critical systems, reducing production errors by 30%, and delivering high-concurrency real-time platforms. Committed to operational excellence and technical ownership in fast-paced, high-stakes environments.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, C++, Python, SQL, HTML/CSS

Frameworks: React.js, Next.js 15, Node.js, Express.js, Redux Toolkit

Tools: Git, Docker, AWS (EC2, S3), Jest, Cypress, Redis

Leadership: Ownership, Customer Obsession, Bias for Action, Deliver Results, Operational Excellence

EXPERIENCE

Software Development Engineer

NSRY, SVP (Naval Ship Repair Yard)

Sep 2025 – Present

Sri Vijaya Puram, India

- Architected and refactored core MERN modules for industrial resource management, improving backend responsiveness and data retrieval speed.
- Reduced production-level system errors by 30% by implementing a comprehensive automated testing suite using Jest and Cypress for mission-critical logic.
- Digitized legacy industrial workflows into scalable full-stack applications, ensuring high data integrity and operational reliability in a high-stakes environment.

Full-Stack Engineering Consultant

Independent / Freelance

Jan 2024 – Present

Remote

- Managed full-cycle SDLC for diverse clients, delivering production-ready platforms using Next.js 15, TypeScript, and AWS.
- Optimized database schemas and API orchestration layers, resulting in a 40% average increase in client Lighthouse performance scores.
- Integrated third-party services including secure payment gateways and LLM-based automation (Gemini 2.0) into existing enterprise systems.

PROJECTS

AI-ATS Analytics Engine | *React, Node.js, Gemini 2.0, MongoDB*

(Live App | Code)

- Built an intelligence platform utilizing Gemini 2.0 for resume-JD alignment, featuring automated parsing and real-time recruitment scoring.
- Developed prompt-chaining logic to deliver deep behavioral insights and technical gap analysis for high-volume hiring pipelines.

Real-time Collaboration Platform | *Next.js, Socket.io, Redis, JWT*

(Live App | Code)

- Engineered a distributed synchronization engine achieving sub-100ms latency for concurrent real-time state management.
- Implemented room-based isolation and persistent ledger systems to ensure data consistency across multiple client nodes.

Pathfinding Analysis Engine | *JavaScript, Canvas API, DSA*

(Live App | Code)

- Architected a PWA to benchmark search heuristics (A*, Dijkstra) on complex grids, optimizing for 60FPS rendering of 2500+ nodes.

EDUCATION

KL University

Bachelor of Computer Applications

Vijayawada, India

CGPA: 8.95