

Suraj B M

Fullstack Web Developer and Systems Engineer

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Summary

Proficient web and systems engineer with a strong background in cryptography and modern web development stacks including T3 Stack and MERN stack. Experienced with production infrastructure involving CI/CD pipelines, reverse proxies, and database management.

Experience

TwoSpoon.ai Bengaluru, IN
Software Development Engineer 1st June 2026 – Present

- Developing a web-based infrastructure management platform for enterprise clients.
- Designed onboarding and configuration scripts for servers, circumventing manual intervention.

TwoSpoon.ai Bengaluru, IN
Software Development Intern 1st June 2025 – 31st May 2026

- Developing a web-based infrastructure management platform for enterprise clients.
- Configuring production environments including databases, reverse proxies, and CI/CD pipelines.
- Improved rendering pipeline, decreasing build time by 95%.
- Modified and replaced multiple packages to prevent memory leaks and slowness.
- Refactored monorepo into multiple microservices to improve scalability.

TwoSpoon.ai Bengaluru, IN
Summer Intern 1st July 2024 – 31st July 2024

- Built a responsive full-stack site with role-based access control and secure CRUD, increasing client conversions by 15%.
- Architected relational schemas and RESTful APIs handling more than 10K daily requests, boosting data throughput.
- Deployed site on AWS with CloudFront CDN, streamlining serve times.

Education

PES University 2022 – 2026
B.Tech in CSE (AI&ML) GPA: 7.5

Narayana PU College 2022
PCMC 95%

St. Francis de Sales Public School 2020
Science 97%

Projects

nexgen-portal Next.js, MongoDB
• Engineered a participant check-in portal for NexGen 2.0 hackathon, streamlining registration for 500+ attendees, with streamlined food coupon management and snack logging workflows.

rapport Next.js, MySQL
• Developed an end-to-end encrypted messaging platform using latest web technologies and cryptography standards.
• Implemented ECDH, AES, and PBKDF2 encryption layers.

vroomify Next.js, FastAPI
• Designed an ERP platform for automobile inventory and procurement management.

homelab

Bun, Podman

- Built a Raspberry Pi homelab hosting open-source services, using docker-compose.
- Configured CI/CD pipelines and mapped services across multiple domains.

envy

Golang

- Created a CLI utility for environment variable management and export workflows.

docker-hadoop

Bash, Dockerfile

- Developed a minimal Docker image containing Hadoop, Pig, and Spark tooling.

Hackathons

Algomania

2024

- Mentored and coached participating teams, helping with better engineering and agile philosophies.

Nexgen 2.0

2025

- Built and deployed nexgen-portal.
- Mentored and coached participating teams as a tech mentor.

Nexgen 3.0

2026

- Built and deployed nexgen-portal.
- Guided teams and analyzed projects as a tech mentor.

Volunteer Experience

Encode AI: Founding Member and Web Development Head

Nexus: Technical Head

Research et al: Technical Head

Jnanada: Web Development Head

Linux Legion: Club Head

Hackerspace: Web Development Mentor

Skills

Fullstack Development: Next.js, React, TypeScript, SQL, MongoDB

Systems Engineering: Load Balancing, Reverse Proxy, Server Setup, CI/CD

Programming Languages: C, C++, Java, Python, Go

AI&ML

Coding Assistants: Cursor, GitHub Copilot, Codex, Google Antigravity

Local AI Deployment Tools: ollama, nvidia-smi, llmfit

Publications

Dynamic Crowd Management through Potential Field-Based Simulations

IEEE 2024

10.1109/ICSGSC62639.2024.10813704

Languages

English, Telugu, Kannada, Hindi, Spanish

Interests

Reading, Geopolitics, History, Gaming