

Suraj B M

Fullstack Web Developer and Systems Engineer

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Summary

Proficient full-stack web developer 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

Software Development Intern

Bengaluru, IN

1st June 2025 – Present

- 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

Summer Intern

Bengaluru, IN

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

B.Tech in CSE (AI&ML)

2022 – Present

GPA: 7.3

Narayana PU College

PCMC

2022

95%

St. Francis de Sales Public School

Science

2020

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
<ul style="list-style-type: none"> Created a CLI utility for environment variable management and export workflows. 	
docker-hadoop	Bash, Dockerfile
<ul style="list-style-type: none"> Developed a minimal Docker image containing Hadoop, Pig, and Spark tooling. 	

Hackathons

Algomania	2024
<ul style="list-style-type: none"> Mentored and coached participating teams, helping with better engineering and agile philosophies. 	
Nexgen 2.0	2025
<ul style="list-style-type: none"> Built and deployed nexgen-portal. Mentored and coached participating teams as a tech mentor. 	
Nexgen 3.0	2026
<ul style="list-style-type: none"> 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 10.1109/ICSGSC62639.2024.10813704	IEEE 2024
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Languages

English, Telugu, Kannada, Hindi, Spanish

Interests

Reading, Geopolitics, History, Gaming