

Lins Varghese

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Core Skills

Languages: JavaScript, TypeScript, Python, Java, SQL, C/C++

Frontend: React, Next.js, Tailwind CSS, React Native

Backend: Node.js, Express.js, Prisma, REST APIs

Databases: PostgreSQL, DynamoDB, Firebase

DevOps & Cloud: AWS (EC2, S3, Lambda, DynamoDB), Docker, Kubernetes, Git, Nginx, Cloudflare R2

Experience & Projects

White Spaces AI – Full Stack Intern

Jan 2025 – June 2025

Remote

- Reduced overall infrastructure costs by **30%** by migrating from individual EC2 instances to a **multi-tenant, containerized Kubernetes architecture**.
- Provisioned and managed **AWS S3 buckets** for dynamic client-specific storage, ensuring secure, scalable asset handling.
- Deployed and configured **Kubernetes clusters with namespace isolation**, enabling efficient multi-client resource utilization.
- Contributed to **CI/CD pipeline automation using Docker**, improving development reproducibility and accelerating deployment timelines.

CuttheQ – Full Stack Canteen Ordering Platform

Aug 2024 – May 2025

Funded by St. Joseph's University

- Developed and launched a full-stack canteen ordering platform to eliminate manual queues; **live on both App Store and Play Store**.
- Built cross-platform mobile apps using **React Native + Expo** for customers and canteen staff with real-time updates.
- Designed a scalable backend using **Node.js (Bun)** and **Prisma ORM** with PostgreSQL hosted on Neon.
- Implemented instant order status updates using **Redis Pub/Sub + WebSockets** for live communication across apps.
- Integrated **Kafka + Zookeeper** for decoupled background processing (SMS alerts, emails, analytics, logging).
- Enabled real-time food notifications via **Twilio SMS API** and automated async workflows via Kafka consumers.
- Deployed services in containers using **Docker Compose (local)** and **Kubernetes (prod)** with auto-scaling support.
- Set up system monitoring with **Prometheus + Pushgateway** for observability and operational insight.
- Currently used by **800+ registered students**, with Phase 2 expansion planned; achieved a **75% reduction in queue wait times**.

PawRescue – NGO Management & Animal Welfare Platform

Aug 2024 – May 2025

Built for a Bangalore-based animal rescue NGO

- Developed a full-stack NGO portal using **Next.js, Prisma, and PostgreSQL** to manage animal rescues, volunteer operations, and public outreach.
- Built a secure **CMS-style dashboard** with role-based access using **NextAuth**, enabling admins and volunteers to manage profiles, blogs, and rescue records.
- Integrated **Cloudflare R2** for storing and delivering pet images, ensuring fast, scalable, and low-cost media hosting.
- Designed and implemented a structured **volunteer onboarding workflow**, complete with status tracking and application review features.
- Enabled real-time **CRUD operations across animals, volunteers, donations, and blogs**, digitizing NGO operations and enhancing adoption visibility online.

Education

Bachelor of Computer Applications (BCA)

2021 – 2025

St. Joseph's University, Bangalore

CGPA: 7.5 / 10

Certifications

- AWS Certified Cloud Practitioner** – Credential validating foundational cloud fluency and understanding of AWS global infrastructure, security, billing, and core services.