Jacob Samro ⓖ 𝗂𝗇 𝕏

+91 6382365423
jacobsamro@icloud.com · https://samro.in

Summary

- 10 years of skill experience in Node.JS, MySQL, JavaScript, HTML and CSS

- 7 years handful of professional experience in building large-scale systems, including APIs, microservices, and databases designed to scale to millions of users. I do have broad exposure to modern tech stacks.

- Planned, developed, and delivered 50+ mobile and web applications, as well as dashboards

- I identify as a JAMStack developer with a flair for DevOps and Distributed Systems

Professional Experience

CTO, LMES ACADEMY PRIVATE LIMITED - MARCH 2020 - PRESENT 🔗 🔗

- Lead a team of 20 members, including UX UI, FullStack and Flutter Developers

- Optimised infrastructure costs and implemented logging, error tracking, monitoring, and alert systems for all production workloads using Prometheus and Grafana.

- Implemented multiple dashboard for finance, marketing, operations, sales, growth and product teams

- Integrated multiple third party services such as Payment Gateways, Zoom, IVR solutions and WhatsApp APIs

CO-FOUNDER, AROLIANT INTERNET PRIVATE LIMITED - APRIL 2018 - MARCH 2020 🔗

Designed websites for various domestic and international clients spanning sectors such as general websites, games, e-commerce, and augmented reality, utilising technologies like PHP, JavaScript, Node.JS, MySQL, Angular, and React Native across Android and iOS platforms.

FOUNDER, AROLIANT GROUP - JANUARY 2017 - APRIL 2018

Started as a team of 5, we built several websites, e-commerce and delivery apps for various clients. Later in April 2018 it was officially registered in MCA and become Aroliant Internet Private Limited.

FREELANCE DEVELOPER, FREELANCER.COM & UPWORK – NOVEMBER 2013 - APRIL 2018 🔗 🔗

As a freelance developer, I've undertaken numerous projects using Angular, PHP, Node.JS, MySQL, WebRTC, and DevOps. Throughout my tenure, I've consistently implemented CI/CD, as well as monitoring and logging systems for various projects.

Skills

Front-end: Vue.JS, Nuxt.JS, Tailwind CSS, HTML 5, Angular
Back-end: NodeJS, NestJS, Express, RESTful APIs, Micro Services
Languages : JavaScript,TypeScript, Python, Go
Databases: MySQL, PostgreSQL, Cassandra, Redis
CI/CD: GitHub Actions, Jenkins, GitLab CI
Version Control : Git, Gitflow, Trunk based Development

DevOps

Monitoring and Logging : Grafana, Prometheus, LogTail
CI / CD : Github Actions, Gitlab CI, Circle CI, Jenkins
Configuration Management : Chef, Ansible
Orchestration : Docker, Kubernetes, Docker Swarm, Istio, Service Mesh
Tools : Kong API Gateway, Caprover
Servers : Nginx, Apache, Caddy
Cloud : AWS, Digital Ocean, GCP, Fly.io

Projects

GTrendz (Aroliant Internet Private Limited) 🔗 🤖

GTrendz is an multivendor exclusive online marketplace for footwear and accessories. Available on Web, Android and iOS

- Developed dashboards and real-time analytics for both sellers and administrators.
- Built APIs and Database Design for Web App, Mobile Apps
- Created a catalog management system tailored to handle multiple variants of a single product.
- Designed a tracking system integrated with multiple delivery vendors, building upon ShipRocket and Zepo

📚 Angular, Node.JS, Javascript, MySQL, Redis, S3, Docker, Gitlab CI

PickMyCareer (LMES Academy Private Limited) 🔗 ▶️

Get personalised guidance, assessments, , expert counselling, college ranking, videos on multiple career streams. A complete career guidance website. As the sole developer, I was responsible for the entire application lifecycle – from development, CI/CD, and deployment to monitoring and maintenance.

- Built an algorithm that will generate a 20 page career report based on 120+ questions in orientation, interest, aptitude and personality
- Built a CMS System that will manage the videos, career streams, scholarships, colleges, assessment ranking and career library

📚 Vue.JS, Node.JS, Javascript, MySQL, Redis, Kubernetes

Chitti Classes (LMES Academy Private Limited) 🔗 🤖 📱 ▶️

VOD Platform for K12 Education. Available Android, iOS, Web and TV

- Revamped the infrastructure, reducing costs from $10,000 to $1,500 USD on the month I took incharge
- Led a team of Flutter developers to deliver a stable version of the application.
- Built Event Streaming and Video Progress tracking infrastructure on top of Kafka
- Pioneered as one of the few apps developed in Flutter set to launch on both Apple TV and Android TV.
- Developed a PWA web app featuring offline download capabilities and notifications.

📚 Vue.JS, TailwindCSS, Node.JS, TypeScript, MySQL, Kafka, Flutter, Kubernetes

Kokru (LMES Academy Private Limited) ▶️

A Sleek NEWS App, optimised for Performance and User Experience, available in 5 languages. This was a collaboration between Madam Gowri (YouTuber) and Premanand (LMES) .

- Created dashboards for content creators, reviewers, managers and admins
- Oversaw the entire backend infrastructure, from databases to APIs.
- Led a team of Flutter developers, ensuring the release of stable versions.
- Engineered a scalable infrastructure, successfully supporting 87K active users during its public launch.

📚 Flutter, Vue.JS, TailwindCSS, Node.JS, Javascript, MySQL, Kubernetes

StreamEggs (LMES Academy Private Limited) 🔗

In house streaming platform that powers videos streaming on all Chitti's Services.

- Implemented pop servers that will run on docker, bare metal and Kubernetes
- Created a conversion algorithm that will take multiple video formats, transcode and pack them to HLS, Encrypted HLS with H.264 and H.265 codecs
- Developed dashboard to monitor the traffic, pop servers, analytics and abnormalities

📚 Vue.JS, TailwindCSS, Node.JS, TypeScript, MySQL, Python, Go, Kubernetes

Chitti Labs (LMES Academy Private Limited) 🔗 ▶️

VOD Course Platform for STEM Education

- Built a Course Platform for Students, along with its dashboard to feed the courses, review the assignments

- Engineered a task processing system to compress and optimise videos and images uploaded by students, ensuring that reviewers can assess content efficiently across any network connection.

- Built the event streaming and course progress tracking system on top of Bull MQ (Redis)

📚 Vue.JS, TailwindCSS, Node.JS, TypeScript, MySQL, Redis, Kubernetes

Chitti Platform (LMES Academy Private Limited)

A unified platform (dashboard) to oversee and manage all Chitti products, featuring Role-Based Access Control and comprehensive event logging for misuse detection.

- Integrated multiple payment gateway providers such as Razorpay, Billdesk, HDFC, ICICI, PhonePe, Paypal, Stripe and Lemonsqueezy

- Constructed a Zoom infrastructure to process and convert meeting recordings to HLS format for delivery. All Zoom events are captured via webhooks, with detailed analytics produced for every meeting.

- Developed a platform that broadcasts pre-recorded videos as live workshops. It also features automated WhatsApp messaging.

- Filament - Built a dashboard design system on top of Element UI and Tailwind CSS

- Chitti Accounts - Its acts as a single login for all the Chitti Products. Support number of login options and built with security in mind.

- Crafted a robust recurrent payment collection system leveraging UPI 2.0 Mandate, eNACH, and integration with payment gateways such as Billdesk, PhonePe, Easybuzz, and ICICI.

📚 Vue.JS, TailwindCSS, Node.JS, TypeScript, MySQL, Kubernetes

Chitti Powered School (LMES Academy Private Limited) 🔗 ▶️

Chitti Powered School aims to elevate schools to international standards with Chitti's exclusive STEM Curriculum and Technology Infrastructure

- Powered Builder - A flutter library, with it component based rendering system. It dynamically renders UI widgets based on backend data, allowing for swift iterations and app updates without requiring app updates.

- Course Platform - Implemented a course platform in which teacher and students can attend courses and upload assignments

- Task Upload Flow - Introduced an efficient task upload mechanism enabling teachers to swiftly upload student tasks, completing the process in under 10 minutes.

- Implemented Single Sign-On (SSO) to seamlessly access other Chitti Products within the Powered School App.

📚 Flutter, Vue.JS, TailwindCSS, Node.JS, TypeScript, MySQL, Kubernetes

Education

St. Johns Higher Secondary School, Tirunelveli, Tamil Nadu – SSLC , 2011

St. Johns Higher Secondary School, Tirunelveli, Tamil Nadu – HSC , 2013

SriGuru Institute of Technology - Computer Science and Engineering - 2017

Personal Details

Date of Birth : 14th August, 1995
Permanent Address : 1/610 A, 1st Street, KTC Nagar, Maharaja Nagar Post, Tirunelveli - 627011