

LIVIN MATHEW

Solutions Architect

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Solutions Architect with 10+ years of transforming ideas into scalable products. Expert in semantic search, Retrieval Augmented Generation (RAG), and serverless cloud on AWS. Entrepreneurial leader proficient in Go, Node.js, Python, and modern frontend stacks, with a record of accelerating delivery, hardening security, and growing usage to millions of users.

WORK HISTORY

TEKSystems (Remote @ Sage, UK) - Product Lead

Jan 2024 - Present

- Launched AWS Bedrock powered semantic search: Python/Fargate crawlers stream 500 k+ docs nightly into an OpenSearch vector index, boosting answer relevance by 30 %.
- Built a serverless RAG pipeline (Step Functions + Lambda) that cut proposal prep from 2 h to ~10 min.
- Authored modular CDK/SAM stacks and GitHub Actions pipelines for one click promotions, shrinking deployment lead time from 1 day to 1 hour.
- Delivered WCAG compliant React/Next.js front-ends that surface live Bedrock insights with Lighthouse scores ~ 95.
- Hardened FastAPI endpoints with OIDC and structured logging, driving zero security findings at audit.
- Developed a Go microservice using gRPC for realtime embedding sync, reducing vector refresh latency by 70 %.

ChiSquare Labs (Remote @ SiteRx, US) - Solutions Architect

Apr 2023 - Dec 2023

- Led migration of a monolith to AWS serverless (Lambda, DynamoDB, EventBridge), boosting scalability and cutting infra cost 35 %.
- Accelerated service delivery by creating an IaC template using AWS CDK that automated logging and observability configurations; template is now used by 20+ engineers across the organization.

Metric Tree Labs (Remote @ SiteRx, US) - Solutions Architect

Jun 2020 - Mar 2023

- Engineered a HIPAA compliant data pipeline that passed HITRUST audit on first attempt.
- Enforced coding standards and guided refactors that eliminated 95 % of legacy tech debt.
- Managed cross functional teams delivering Node.js & React apps, lifting client revenue 40 % and developer productivity 30 %.

Riafy Technologies (Cochin, India) - Software Architect

Mar 2019 - May 2020

- Scaled Android Cookbook app to 10 M+ downloads and optimized a legacy AngularJS app, achieving a 90 % performance gain.

Lmnrtr Tech (Cochin, India) - CEO & Co-Founder

Nov 2014 - Mar 2019

- Bootstrapped startup to acqui-hiring; cut expenses 25 % and tripled traffic through strategic partnerships and data driven growth.

SKILLS

Languages & Frameworks

Go · Node.js (TS/JS) · Python · Java/Kotlin · React · Next.js · Tailwind CSS

Cloud & DevOps

AWS (Bedrock, Lambda, API Gateway, DynamoDB, S3, EventBridge, Step Functions, OpenSearch, SQS, SNS) · CDK · SAM · Terraform · GitHub Actions · Docker · Serverless Architectures

Data & Analytics

Vector DBs (OpenSearch k-NN, pgvector) · PostgreSQL · MySQL · MongoDB

PROJECTS & OPEN SOURCE

KloudArch - No-code GUI converting architecture diagrams to Terraform; powering pilot clients in healthcare.

Go-Fake - A golang cli tool that intelligently infers a given schema and generates mock data for testing.

CoverCraft AI - Chrome extension that generates tailored cover letters with OpenAI.

create-sequelize-express - NPM scaffolding tool (> 2 k downloads).

EDUCATION

B.Tech, Computer Science - MG University, Kerala (coursework completed through 8th semester)

LANGUAGES

English · Malayalam · Hindi