Pathirakaliappan - Senior AWS Solutions Architect
Email: leopathu@gmail.com
Skype: leopathu
Location: Chennai

Professional Summary

AWS-focused Solutions Architect with 11+ years of experience in designing, building, and scaling web and cloud-native applications. Strong expertise in architecting secure, highly available, and cost-optimized solutions on AWS. Proven ability to translate business requirements into scalable cloud architectures, implement DevOps practices, and optimize system performance. Hands-on experience with microservices, distributed systems, and cloud migrations.

Core Qualifications

- AWS Cloud Architecture (EC2, S3, RDS, Lambda, API Gateway, CloudFront, VPC, IAM)
- Designing scalable, highly available, and fault-tolerant systems on AWS
- Infrastructure as Code (Terraform / CloudFormation)
- CI/CD pipeline design and DevOps practices (Docker, Git, automation workflows)
- Cloud cost optimization and performance tuning
- Serverless architecture and event-driven systems
- Database architecture (RDS, DynamoDB, NoSQL optimization)
- Microservices architecture and API design
- Monitoring & Observability (CloudWatch, logging, alerting systems)
- Security best practices (IAM policies, VPC design, data protection)
- Experience in PHP, Python, and JavaScript for backend services
- Strong problem-solving and system design skills
- Excellent communication and stakeholder collaboration

Work Experience

- 11+ years in Software Development & System Design
- 6+ years in AWS Cloud Architecture & DevOps
- 3+ years in JavaScript frameworks

Important Projects Worked on

1. OmnyTraq Admin Portal

OmnyTraq is a remote patient monitoring platform with real-time health tracking capabilities built using Laravel and React.

My Work on OmnyTraq:

- Designed scalable AWS architecture for real-time health monitoring system
- Implemented event-driven notification system using cloud services
- Designed secure data flow between devices, backend, and users
- Built and managed CI/CD pipelines and deployment workflows
- Implemented infrastructure provisioning and automation
- Optimized system for high availability and performance
- Managed DevOps lifecycle including monitoring and logging

---

2. ISKCON Donor Management System

A centralized donation and donor management platform built with Laravel and Vue.

My Contributions:

- Architected cloud infrastructure to support large-scale donor data
- Designed secure and scalable backend systems for financial transactions
- Implemented role-based access control and secure authentication
- Integrated payment gateways with secure processing workflows
- Designed reporting and analytics systems for donor insights
- Managed deployment pipelines, server configurations, and uptime reliability
- Optimized database queries and system performance

---

3. Skolavefurinn (E-learning Platform)

A digital learning platform for schools in Iceland, built on Drupal.

Responsibilities:

- Migrated and optimized application architecture for scalable environments
- Designed multi-tenant architecture for multiple schools (multi-domain setup)
- Implemented secure access control and IP-based authentication
- Optimized performance using profiling and load testing tools

- Designed content delivery strategies for better scalability
- Built admin systems to manage users and learning workflows

---

4. TwistBioScience

A Drupal-based marketing platform with advanced content management capabilities.

My Work:

- Designed scalable content delivery architecture
- Improved performance, SEO, and structured data implementation
- Built reusable component-based architecture
- Optimized backend systems for content-heavy workloads

Education Qualification

B.E. Computer Science and Engineering
Veltech Multitech Dr.RR & Dr.SR Engineering College, Chennai (2011–2014)

Declaration

I hereby declare that the above information is correct to the best of my knowledge and belief.

Place: Chennai
Date: