

ANGUCHAMY PERIYAKARUPPAN

SENIOR SOFTWARE ENGINEER — GENERATIVE AI & DISTRIBUTED SYSTEMS

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✓ Open to relocation — global opportunities

PROFESSIONAL SUMMARY

Senior Software Engineer with 7+ years of experience designing and building large-scale distributed systems, RESTful APIs, and Generative AI platforms. Currently at Intuit, leading AI Agent development and GTM monetisation infrastructure serving 70M+ customers across global markets. Deep expertise in LangChain, LangGraph, and Agentic AI — building autonomous agents that automate complex business workflows end-to-end. Proven track record of 90% API latency reduction, 100% service availability, and zero-downtime deployments. Seeking to apply AI-first engineering experience in a high-impact, globally distributed team.

KEY ACHIEVEMENTS

90% API Latency Reduction

Designed Mapper Framework eliminating downstream service bottlenecks across distributed GTM platform

100% Service Availability

Achieved 0% Opex errors across all services through proactive monitoring and architectural standards

AI Agent for Campaign Automation

Built LangChain + LangGraph agent reducing marketing campaign setup time by 30%

40% Kafka Throughput Improvement

Optimised Kafka message distribution via Batch Processing and Round-Robin strategy

PROFESSIONAL EXPERIENCE

Senior Software Engineer — GTM Tech & Monetisation

Aug 2022 – Present

Intuit · Full-time

Bengaluru, India (Open to relocation)

- Architected and shipped an **Agentic AI platform** using LangChain and LangGraph that autonomously creates and manages promotional campaigns, reducing marketing operations time by 30% and serving 70M+ customers globally.
- Designed and implemented a **Mapper Framework** for multi-downstream service communication, reducing API latency by 90% and improving end-to-end GTM platform performance.
- Built a **real-time offer cache update system** using Apache Kafka with Batch Processing and Round-Robin distribution strategy, improving Kafka throughput by 40% and ensuring offer consistency across all distributed systems.
- Engineered **Localisation support** for all offer payloads across global markets (Spring Boot, Java, PostgreSQL), enabling Intuit's GTM platform to serve multiple countries with zero additional latency.
- Led the **AI Manager Initiative** to standardise service excellence across distributed systems, enforcing architectural and security benchmarks organisation-wide.
- Achieved **0% Operational Issues** — 100% service availability across all GTM microservices through proactive monitoring via Splunk and Java-based observability tooling.
- Designed capability to support **Canada region offer profiles** (GTM Tech, MarTech), extending monetisation infrastructure to new geographies.

Member of Technical Staff

Oct 2021 – Jun 2022

athenahealth · Full-time

Chennai, India

- Designed and delivered **microservices to deprecate a legacy monolith** built on Perl, improving maintainability and reducing system complexity across healthcare infrastructure.
- Engineered a scalable **Experimentation-as-a-Service platform** using Redis and Config Management to manage feature rollouts across distributed healthcare systems.

Member of Technical Staff

May 2019 – Oct 2021

Zoho Corporation · Full-time

Chennai, India

- Developed and maintained the **Desktop Software Deployment Module** under DesktopCentral, supporting enterprise-scale software patch management.
- Built an **Automation Testing Framework** using Jenkins, JUnit, and Selenium, eliminating manual QA effort and reducing regression cycle time significantly.

- Developed a **native C++ application** to validate application prerequisites before installation, reducing deployment failures across enterprise environments.
- Built a **service application** to detect running software during patch cycles, preventing failed deployments and improving operational reliability.
- Engineered cross-platform native apps in Java, Python, and C++ for Windows, Mac, and Linux environments.

Project Trainee

Dec 2018 – Apr 2019

Zoho Corporation

Chennai, India

- Architected a scalable **Web Scraping application** using Python, BeautifulSoup, and Selenium to automate third-party software version detection across 100+ applications.

TECHNICAL SKILLS

AI/ML: LangChain	LangGraph	Generative AI	Agentic AI
Languages: Java	Python	C/C++	SQL
Frameworks: Spring Boot	Spring Batch	Hibernate / JPA	REST APIs
Messaging: Apache Kafka	Apache Spark	Microservices	Event-Driven
Databases: PostgreSQL	Redis	AWS S3	Caching
DevOps: Docker	Kubernetes	Jenkins	Git / CI-CD
Observability: Splunk	Grafana	Swagger	Postman
Testing: JUnit / Mockito	Selenium	Sonar	Web Scraping
Domain: GTM Tech	MarTech	Monetisation	Fintech / Payments

EDUCATION**Bachelor of Engineering — Computer Science**

Aug 2015 – May 2019

Sethu Institute of Technology