

Madan Kumar Elumalai

Senior Software Engineer • Java, Cloud & GenAI

Building enterprise-grade applications and AI-powered solutions across hospitality and B2B platforms, with a focus on fiscal compliance, scalability, and developer productivity.

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📍 Chennai, Tamil Nadu, India

EXPERIENCE

Senior Software Engineer | Oracle Corporation, Hospitality
FLCC 2022 – Present · Chennai

- Implement fiscal, legal, and compliance requirements for multiple countries within Oracle Hospitality products, ensuring adherence to international standards.
- Configure and maintain CI/CD pipelines using Jenkins and SonarQube to enforce code quality and automate build, test, and deployment workflows.
- Develop high-quality, scalable Java/Spring features and automate regression tests using Selenium to improve release stability.
- Built a GenAI chatbot POC with RAG and MCP tools leveraging OCI ADK to enhance developer and customer productivity.

🔥 Recent GenAI Project

- Developed enterprise AI agent using **WayflowCore** for orchestration and **Helidon MCP** for tool exposure.
- Enabled A2A communication, RAG augmentation, and secure tool calls for hospitality fiscal services on OCI.
- Streamlined compliance workflows, reducing manual review time and improving audit readiness.
- Using Internal framework wrapping LangGraph and LangSmith to provide a unified agent development experience

Member of Technical Staff | Zoho Corp 2019 – 2022 · Chennai

- Designed and implemented RFM segmentation and CRM automation capabilities to improve customer targeting and campaign performance.
- Delivered enhancements for Zoho Finance integration, improving data interoperability and accounting workflows.
- Single-handedly designed and built the CRM orchestration feature to streamline user workflows across the customer lifecycle.
- Contributed to B2B platform capabilities helping enterprises manage accounts, post-sale engagements, and sales–marketing alignment.

Software Engineer | Infoview Technologies 2016 – 2019 · Chennai

- Developed tools for database migration from RDBMS to NoSQL Cassandra, improving scalability and resilience.
- Built a SQL analysis tool to generate test data for unit testing, accelerating developer productivity.
- Automated dynamic SQL analysis and implementation, reducing development time by ~20% and minimizing human error.
- Created a log access and caching utility to optimize performance across heterogeneous file systems.

EDUCATION

B.E. Computer Science and Engineering 2012 – 2016

Anand Institute of Higher Technology, Chennai

SKILLS

Languages & Frameworks

Java (8+) Spring Oracle ADF JavaScript

Cloud, DevOps & Data

OCI Kafka Kubernetes Git Jenkins

SonarQube MySQL PostgreSQL

Oracle PL/SQL

Quality & Automation

Selenium Unit & Integration Testing CI/CD

GenAI & Agents

OCI ADK WayflowCore Helidon MCP

RAG A2A Protocol

AWARDS

- **Oracle Productivity Award** – Winner at HALFive'25 Hospitality AI Innovation Fest for high-impact AI innovation in productivity and value creation.
- **AI Trailblazer** – Recognized for proactively identifying AI opportunities, delivering impactful AI solutions, and solving real business problems to unlock value.

CERTIFICATIONS

- Oracle Certified Professional (OCJP), Java SE 6
- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional
- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate