

Manickalai Rajan

A technopreneur helping startups build a scalable with robust technology with product-based innovations

CONTACT

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CERTIFICATIONS

- GUVI | IITM Advanced Professional Programming and Master Data Science Program **Aug 2021**
- IBM | Data Science Tools **Jan 2021**
- Elastic Community Organizer **Jan 2019**
- IBM | Node-RED: basics to bots **Sep 2018**
- IBM | Blockchain Essentials **Dec 2017**
- IBM | Architectural Thinking **Sep 2017**
- IBM | Certified Application Developer - Cloud Platform V1 **Dec 2015**
- IBM | Cloud Developer Bootcamp **Oct 2015**
- ITIL | V3 Certified **Oct 2010**

TECHNICAL SKILLS

Runtime	Python, PHP laravel, & Spring Boot (JAVA)
Database	MongoDB, MySQL, IBM NoSQL
Realtime Processing	Kafka, Spark, IBM Streaming Analytics
Cloud	IBM, AWS, GCP, Hybrid
DevOps	Git, Bitbucket, Jenkins, Ansible, Docker
EMM	IBM MFP, MaaS360
Productivity	Slack, Zoom, GMeet, JIRA
Integration	IIB, IBM APIC, ELK Stack, Grafana, Airflow

SOFT SKILLS

- Leadership Effective communication
- Critical thinking Emotional intelligence
- Problem-solving Flexibility
- Empathy People skills

ACHIEVEMENTS

- Scaled the Team/Vertical from 2 to 100 members in the span of 1 Year - Vymo
- Build 3 B2B products from scratch in the FinTech, and Supply Chain sectors - MultiGenesys

EXECUTIVE SUMMARY

An aspiring technopreneur with a love for tech startups and the business of innovation. With a storied 18-year history, I geek out about digitization and innovation in product-based SaaS integrations Fintech and Agritech.

I lead, coach, mentor, and build tech teams. People come to me for my expertise in tech architecture, development, strategy, client engagement, people, and business growth management. My work across product-based has helped me acquire robust competence in

Hybrid Cloud | ONDC | Cognitive technology | SaaS | ELK Stack | Payments | Fintech | Agripreneur

I bring a deep understanding of Cloud environments to the table including AWS, Azure, Google, RightScale, Racktables, and XaaS. My work at giant IBM, ICICI, TATA AIG, TATA-AIA, and a spectrum of other tech solution providers has given me the ammo I need to tackle evolving in a digital world.

I am privileged to have contributed my expertise to many POCs in BlockChain, ChatBot, Serverless and Microservices-based COE Labs across multiple verticals from ideation to development, architecture, and delivery. My love for the impact of digitization only parallels the inspiration I derive from doing something new creates in a digital world.

WORK EXPERIENCE

Director of Engineering - Technology

Lords and Kings Agro Private Limited, Chennai

- Created a new model for the E-com **SaaS** product using machine learning algorithms, Managed a **35-member team** (UI/UX, dataengineers, Developer, QA and etc to build and maintain for RW's AI-powered marketing platform (ETLs, APIs, ML, and models) with multi-tenant cloud-based **SaaS** platform for **Agritech, Retail E-com (D2C)** industries
- Directed the design and implementation of end-to-end data workflows, including **ETL/ELT** processes, real-time data streaming, and batch processing, ensuring high availability, scalability, and data integrity across all systems
- Mapped **KPIs, OKRs**, and **SLA** for different teams at the same time automatise the process while keeping the relevant stakeholders

Sr.Engineering Manager

VYMO Technologies Pvt Ltd, Bangalore

- Leading digitization & standardization of strategic business interests, technology, and processes for **fintech products**
- Working synergistically with other stakeholders (**CEO, CTO, Product, Sales, Marketing, Support, Clients**)
- Spearheading development efforts on all fronts - Architecture, API suite design, Security, Performance, QA, Team Orientation, Learning, Policies/Processes
- Streamlined all Agile/Scrum processes (sprint planning, daily scrums, sprint reviews, and sprint retrospectives)
- Mentored & supervised team members (30+ like Dev, QA and Solution) with OKR management & clients on the Agile process
- Played a key role in product acquisition by a marquee company

Engineering Manager

M2P Fintech Pvt Ltd, Chennai

- Spearheaded the tech architecture for a **product-based multi-tenant fully-configurable SaaS platform fintech agritech** and a corporate **payments domain** that supports prepaid forex, fleet, and credit cards across industries.
- Was the SPOC for a PaaS Platform which enabled a robust exposure to various payment integration using microservices

PROJECTS

Proven leadership in tech architecture & strategy for products with enterprise-grade standards and a spectrum of cloud software.

- **AgroBEET:** To solve the problem of inefficiencies and reduce food wastage in the Supply Chain we implemented farmer connected collection centers and Smart logistic infrastructure

Technology: ReactJS, SpringBoot, MongoDB, ELK Stack, Kafka, Flutter(android and IOS)

- **VYMO LMS:** A customer onboarding process, activity detection for sales representatives, vendor applications, and other CRM integrations using cloud platforms and mobile apps.

Technology: ReactJS, SpringBoot, MongoDB, ELK Stack, Kafka, and API Gateway

- **SmartPay:** The SaaS platform provides merchants with the ability to accept payments with credit, debit, and prepaid cards as well as to accept payments through a payment gateway, gift cards, loyalty programs, and mobile devices.

Technology: Kafka, ELK Stack, Python (Django) with Spring boot, MongoDB and API Gateway

- **Yappay:** The SaaS platform supports End to End Payments via Payment Switches (VISA, Mastercard, RUPAY, etc), UPI, mobile wallets, banking APIs, e-KYC, merchant and other payment partner systems.

Technology: Node.js, Python, MySQL, ELK Stack, RabbitMQ

- **KONE Elevators:** The integration of the mobile application. Used Bluemix services and IBM Watson IoT

Technology: Node.js & Python, NLP, Spring boot, IBM Watson IoT, and IBM API Connect

- **Adarsh Credit Co-Operative Society Ltd:** Design, build, and implementation of the IBM API, IBM MFP, and IBM Watson Enterprise Mobile Apps.

Technology: IBM API Connect, IBM MFP, IBM Bluemix, IBM Watson, and Java with Spring Boot

- **TATA AIG:** Integrate IBM Watson NLP service with their Insurance application using IBM MFP and Bluemix

Technology: IBM MFP, IBM Bluemix, IBM Watson, IBM Blockchain, NodeJS, and MongoDB

- **Loyalty Solutions & Research Pvt. Ltd.** The integration re-engineering processes for design, build, and implementation of IBM API-Connect for their loyalty solution

Technology: IBM MFP, IBM Bluemix, PHP and MySQL

- **ICICI Prudential Life Insurance:** The integration of hybrid cloud, built NLP chatbot using Watson service and IBM Integration platforms from OnPrem and AWS

Technology: IBM API Connect, IBM Bluemix, IBM Watson, and Spring Boot

Oct
2015
-
Jul
2018

Solution Architect – Hybrid Cloud

IBM India Pvt Ltd, Chennai

- Played customer-facing roles on **IBM's Cloud** & Digital Strategy across Public & Private Clouds (in **IaaS, PaaS, SaaS, and XaaS**), Mobility (**IBM MFP**), Watson offerings in Integration (**ICP, IIB, API connect, IBM Blockchain**) & Deployment Automation with **DevOps** tools
- Modelled **IBM Cloud** products around the pain points of customers from AWS, other clouds, and **on-prem**.
- Handled all enterprise accounts in **BFSI, Travel, Retail, Startups** & Manufacturing for **India, Srilanka & Singapore** regions
- Supervised in-house team performance and optimized processes for quality and timely project delivery.
- Played a key role in all phases of presales (**RFI, RFP, RFQ**) as well as the sales interactions during pitches, assessments, and closures

Dec
2010
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Sep
2015

Technical Manager – IT Mobility

Gem3s Software Solutions, Mumbai & Chennai

- Deployed the architecture of the Mobile Enterprise Application Platform (**MEAP**) and systems integration from the business development phase to project delivery
- Mapped **KPIs, OKRs**, and **SLA** for different teams at the same time to automatise the process while keeping the relevant stakeholders
- Implemented mobility with MDM (Mobile Device Management) and **BYOD** concepts
- Constructed a multi-tenant fully configurable **SaaS** platform for online dispute resolution on the cloud applicable to multiple industries

Jan
2009
-
Dec
2010

Assistant Manager – IN & VAS

SISTEMA Shyam Teleservices Limited (MTS), Rajasthan & Chennai

- Was the SPOC for managed service delivery, software(patch) updates, and end-to-end testing for the operation & maintenance of **IN & VAS (Huawei-IN, CRBT & SMSC)** systems, **Postpaid** (FORIS CRM), and **VAS** systems
- Co-ordinated with all functional heads and stakeholders for queries, requirements, new requests, change requests, and record-keeping
- Executed the new product configuration for **prepaid/postpaid** tariff, **VAS** product, and **short code**, among others, facilitated end-to-end testing, scheduled the Daily Promotions, and monitored the project at large

Dec
2004
-
Dec
2008

Software Engineer

Consultburg Services (P) Ltd, Chennai

- Developed the operations in maintenance of VAS applications and services and oversaw their delivery
- Co-ordinated with the Operator and Vendor for configuring **Shortcode, Billing, and VAS** services (**CRBT, OBD, WAP pages SMS contest and Content Management**)
- Constructed and architected IVR Apps based on call flow logic and specifications
- Orchestrated meetings and reviews with the change request across the system and collaborated with all stakeholders

EDUCATION

Apr
2005

Master of Computer Application (M.C.A)

Sastra Deemed University – Thanjavur, Tamil Nadu