



# Maruthachalamoorthy Kumarasamy (Moorthy)

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## Professional Experience Summary

Highly skilled and accomplished **IT Consultant & Solution Architect (ERP, Cloud, Application, Integration, Security & Data)** with **20 years** of experience in designing, developing and implementing complex and innovative technology solutions. Proficient in developing and implementing complex project, I possess a deep understanding of diverse technologies, including cloud computing, application development, integration, data migration, networks, and security. Throughout my career, I have successfully led cross-functional teams to translate business requirements into scalable and efficient solutions that align with organizational goals.

### Key Strengths:

- ◆ **Solution Architecture:** Expert in designing and implementing robust architectures that leverage the latest technologies and best practices to drive business growth and operational efficiency.
- ◆ **Application Architecture:** Extensive experience in designing, developing and implementing high-performance, resilient, and secure applications using modern microservice architecture patterns and containerization.
- ◆ **Cloud & Infrastructure Solutions:** Proven track record of executing successful cloud migration projects, optimizing infrastructure, and harnessing cloud-native services to achieve cost-effectiveness and scalability.
- ◆ **Security and Compliance:** Adept at implementing comprehensive security measures and ensuring compliance with industry standards and data privacy regulations.
- ◆ **Cross-Functional Leadership:** Strong leadership and communication skills, fostering collaboration across diverse teams and stakeholders to deliver projects on time and within budget.
- ◆ **Agile and DevOps Practices:** Proficient in Agile methodologies and DevOps principles, streamlining development processes and promoting continuous improvement.
- ◆ **Client & Business Focus:** Committed to understanding clients' and business unique needs, delivering tailored solutions that drive business value, and exceeding client expectations.
- ◆ **Innovation and Continuous Learning:** Passionate about staying ahead of technological advancements, exploring emerging trends, and integrating cutting-edge solutions into projects.

### Domain & Technical Skills:

<b>Cloud Infrastructure</b>	AWS, Azure, GCP, Oracle, VMware, OpenStack, Docker, Kubernetes
<b>Networking and Security</b>	SD-WAN, Switches, WAN, IPSec, VNET, VPC, Firewall Load balancer
<b>Programming &amp; Scripting</b>	Java, J2EE, Shell, Python, Ansible, Terraform (IaC), yaml
<b>OS</b>	MacOS, Linux (Redhat, Amazon Ubuntu, Suse), Windows
<b>Integration &amp; API</b>	AWS API Gateway, Apigee, Oracle Fusion, Oracle Golden Gate,
<b>Database</b>	Oracle DB, MongoDB, Postgres, MySQL
<b>Tools &amp; Utility</b>	JIRA, Confluence, Draw IO, MS Visio, Microsoft Project
<b>Domain Knowledge</b>	Telecom (BSS,OSS), Field Service, Retail, Payment & Banking
<b>Functional Knowledge</b>	CRM, ERP, HCM, Customer Loyalty & Campaign Management
<b>COTS Product Knowledge</b>	Oracle ERP, Oracle CRM, Oracle Communications Suite, Salesforce, Matrixx OCS
<b>Monitoring &amp; Reporting</b>	Splunk, Prometheus, Grafana
<b>Security &amp; IAM</b>	PFSense, Fortinet, Auth0, Azure Identity Management
<b>Framework &amp; Standards</b>	TOGAF, OpenAPI, ISO27001, NIST, GRC, ACMA, Essential 8, ASD ISM

References: Can be provided upon request.

**Education: Master Of Sciences - (Applied Science - Computer Technology)**

**Work Experience Summary**

<b>Company &amp; Client</b>	TPG Telecom Pty Ltd
<b>Job Title</b>	Project Solution Architect/IT Consultant (Contract)
<b>Duration</b>	August 2020 – August 2024
<b><u>Roles &amp; Responsibilities:</u></b> <ul style="list-style-type: none"><li>• Conducting and present feasibility studies and target solution proposals for new product and technology initiatives to business and technical stakeholders.</li><li>• Delivering business value to customers by solution architecting effective information systems solutions that address the customer's business problems, needs and opportunities, in a manner consistent with company's strategic and business goals.</li><li>• Led the design and implementation of projects, collaborating with cross-functional teams to translate business requirements into effective technical solutions.</li><li>• Crafting and manage solution architecture document which aligned to architecture pattern, industry standards, security, scalable and organisation strategy to assigned projects.</li><li>• Designing an integration API's data models are compliance to standards and align to integration, security guidelines.</li><li>• Participating and present the solutions to Architecture Review Board (ARB).</li><li>• Prepare and delivered technical scope document to vendors and validate the contracts efforts and costs within the budget.</li><li>• Define and manage application data migration and data translation strategy documents.</li><li>• Creating and managing process sequence and data workflow documentation</li><li>• Define and managing HLD &amp; LLD applications, infrastructure and network design documents.</li><li>• Working closely with external vendors and partners to define and implement interoperability between systems.</li><li>• Review and align the solutions &amp; design standard are followed, highlight potential deviations that may impact capacity, performance, lifecycle, regulatory, security objectives.</li><li>• Contribute to knowledge exchange and share across the architecture team acquired knowledge around new solutions, project experiences and PoCs.</li><li>• Participate in technical design meetings/forums to review detailed designs and production implementation environment and non functional audit</li></ul>	
<b><u>Key Achievements</u></b> <ul style="list-style-type: none"><li>• Successfully architected and migrated Oracle Cloud ERP and HCM Modules from on-premise Oracle E-Biz 12c.</li><li>• Successfully architect, design and implement e-sim solutions to three TPG MVNO brands.</li><li>• Successfully lead and architect multi-brand &amp; MVNO online rating and charging platform from legacy billing platform</li><li>• Successfully architect, design and implement Campaign Management platforms to TPG MVNO brands in Azure Cloud</li><li>• Successfully architect, design and migrate complex MVNO Systems from Telstra to TPG network</li></ul>	

<b>Company &amp; Client</b>	Oracle Australia Pty Ltd
<b>Job Title</b>	Lead Architect/Solution Director (Contract)

<b>Duration</b>	<b>April 2016 – July 2020</b>
<b><u>Roles and Responsibilities:</u></b> <ul style="list-style-type: none"> <li>• Managed an internal and external stakeholder, technical teams and vendors</li> <li>• Lead and developed prototypes, migration planning roadmaps for IT Applications</li> <li>• Lead and executing proof of concept solution and technical presentation to technical and business audiences.</li> <li>• Lead and conduct solution architecture board review meeting and review all the architecture deliverable artefacts like solution design, infrastructure design, network design and interface contract design documents.</li> <li>• Creating End-to-End Solution Architecture documents to meet business and technical requirements for IT Transformation, System Upgrade and Migration projects.</li> <li>• Defining high-level, low-level design, interface contract documents for application integration, infrastructure virtualization and database migrations and creating E2E business service and system process and workflows documents</li> <li>• Providing technical solutions and architectural guidance for fault tolerant high availability/disaster recovery (DR) solutions for business-critical applications</li> <li>• Actively supporting to the sales and pre-sales teams RFP/RFI solution delivery, time and cost estimation</li> </ul> <b><u>Key Achievements</u></b> <ul style="list-style-type: none"> <li>• Successfully upgraded API gateway platforms in AWS Cloud.</li> <li>• Successfully upgraded and implemented HA/DR solution for Oracle Communications Billing and Revenue Management platforms (BRM, ECE, Offline Mediation and PDC).</li> <li>• Successfully transformed 20 years old systems to latest versions of (Oracle OSS/BSS) application suite and Cloud Migration.</li> </ul>	

<b>Company &amp; Client</b>	<b>Tech Mahindra Ltd</b>
<b>Job Title</b>	<b>Senior Solution Architect/Solution Architect/IT Consultant</b>
<b>Duration</b>	<b>March 2006 – April 2016</b>
<b><u>Roles and Responsibilities:</u></b> <ul style="list-style-type: none"> <li>• Manage the project plan, risk, issue and cost for the projects</li> <li>• Manage an internal and external stakeholder, technical teams and vendors</li> <li>• Lead an architecture practice and help in defining architecture guidelines and principles. Developing prototype, migration planning roadmaps for IT Applications</li> <li>• Lead and conduct solution architecture board review meeting and review all the architecture deliverable artefacts like solution design, infrastructure design, network design and interface contract design documents.</li> <li>• Creating End-to-End Solution Architecture documents to meet business and technical requirements for IT Transformation, System Upgrade and Migration projects.</li> <li>• Defining high level, low level design, interface contract documents for application integration, infrastructure virtualization and database migrations and creating E2E business service and system process and work flows documents</li> <li>• Migrating Java, Bespoke and Oracle Communication Suite of Applications, Middleware Platforms (Oracle SOA Suite) and databases from physical infrastructure to virtual infrastructure in the private cloud and public cloud</li> </ul>	

- Actively lead and supporting to the sales and pre-sales teams RFP/RFI solution delivery, time and cost estimation

**Key Achievements:**

- Successfully upgraded Oracle e-Biz(ERP) product into supported version.
- Successfully migrated MVNO Billing system
- Successfully Delivered Seed Data Centre Infrastructure (2 Data Centres)
- Successfully Lead and executed 5-10 proof of concepts in different technologies.
- Successfully designed and transformed 20 Plus Core Applications using a variety of strategies - Re-platform, Cross Platform Porting, Infrastructure Lift and Shift, AWS-Cloud, Fault Tolerant-High Availability and Geo – Redundancy
- Achieved High Virtualisation Ratio 80%> and decommissioned 4 Enterprise Data Centers.
- Successfully Implemented Mobile and IP Telephony provisioning platforms

<b>Company &amp; Client</b>	<b>India Comnet International (Metsolv: Oracle )</b>
<b>Job Title</b>	<b>Senior Software Engineer</b>
<b>Duration</b>	<b>October 2003 – March 2006</b>
<b><u>Roles and Responsibilities:</u></b>	
<ul style="list-style-type: none"> <li>• Conducting Impact assessments on new product enhancement requirements and defect fixes</li> <li>• Writing and Reviewing of Technical Specification, High-level and Low-level design documents</li> <li>• Installing, Deploying, and maintaining P6 and Oracle ASAP Environments in Development, Testing environments</li> <li>• Development of various (Mobile, Broadband, PSTN,,VPN)switches and router Integration Network Adaptors Services using Java, PLSQL and SRT Cartridges XSLT to activate the services on networks.</li> <li>• Preparing the Unit Test Cases, Code Review and Unit Testing and Unit Testing logs</li> <li>• Developing scripts build, install, sanity test automation using shell and ant scripts in UNIX OS</li> </ul>	