|  |  |
| --- | --- |
| **KAMALAKANNAN S**  +919916450111  : kamalsz@hotmail.com | **~ Technology Management ~Innovation~ Solution Architecture & Designing ~**  Framing architectural decisions, providing leadership & direction in the areas of technology and product development to facilitate & enable growth & business agility |

**Profile Summary**

* Over 22+ years of **proven success and keen business acumen coupled with in-depth knowledge of methodologies, risk management**; **proven success in software development with specialization in Internet and Web technologies including cloud with in-depth knowledge in software architecture**
* Proven skills in delivering best-fit solutions to customers internationally (belonging to various industry verticals), cutting across geographies; led end-to-end operations with complete profit accountability
* Significant role in **creating framework for employee skills & development to be as per Application Portfolio roadmap; rendered training & capabilities development platform; led multiple Product Delivery Teams working on delivery & enhancements**
* Key skills in **Microservices/Containerization/Cloud enabled application/product development and architecture, PaaS/SaaS/IaaS**
* Closely monitored project progress as per scheduled deadlines for various tasks and initiated necessary steps to ensure project completion within time, cost and effort parameters; planning for contingencies to ensure minimal effect on deliverables while enforcing strict compliance to the SLA terms negotiated with the client
* Expertise in **Internet of Things, Cloud Computing, Software Architecture, Robotics and Artificial Intelligence while leading the Product Lifecycle Management;**
* Successfully managed the **SAP Mobility/Enterprise Mobility/Consumer Mobility/M2M/MDM and IT Service Management**
* Extensive knowledge of **HealthCare, US Mortgage and Real Estate Domain with exposure to Banking, Finance and Insurance Products; skilled in Wireless/Telecom consulting as well as Manufacturing Industry**
* Steered the **Product Delivery Teams for Global products and platforms; drove implementation of market standard services with focus on IT and Business Process Automation** driving simplification and reduced cost of ownership
* Maintained close coordination between onsite and offsite teams for ensuring seamless delivery of the project as per scheduled timelines; led Service Level Management for entailing Governance, Compliances & Dashboard Management to provide strategic insights on business KPIs, objectives & success drivers

**Core Competencies**

|  |  |
| --- | --- |
| **Strategic** | Strategic Technology Planning CoE Management . Change Management  CXO-level Interaction Strategic Alliance Management Risk Analysis & Mitigation  Process Excellence Process Management Roadmap definition  Best Practices Implementation Cross-functional Communication Research and Innovation |
| **Domain** | Design & Roll-out Project Management System Implementation  Risk Management Change Management Delivery Model  Delivery Management Client Engagements (Internal / External) Business Process Optimization  Process Improvement GAP/ Log Analysis & Defect Tracking Capability Building |

**Employment Details**

|  |
| --- |
| Dates in MM/DD/YYYY  06/24/2001 – 09/23/2002  Tarang Software Technologies P Ltd., Bangalore,  Senior Engineer  09/24/2002 -07/03/2003  Orbitech Solutions Ltd., Chennai, Analyst  03/24/2003-10/31/2003  Tavant Technologies P Ltd Bangalore  Senior Software Engineer  07/19/2004-01/17/2005  FCG(CSC) Bangalore  Senior Software Engineer  01/31/2005-07/08/2005  Techspan India Ltd., Bangalore  Consultant  Project Manager            03/20/2006 - 12/28/2010  CSC., Cypress-USA,Noida, Bangalore  Technology Architect 01/17/2011 – 11/06/2011  Infosys Ltd., Bangalore  Solutions Manager 01/06/2012 – 04/06/2012  July Systems Pvt Ltd, Bangalore  Practice Manager/Solution Architect 04/12/2012 – 06/25/2013  Pricol Technologies Ltd., Coimbatore  Mobile Solutions Architect 07/05/2013 –12/25/2013  Defiance Technologies Ltd, Bangalore  Mobile Architecture Consultant 12/26/2013 – 05/31/2014  Ramco Systems Pte Ltd, Singapore  IT Innovation Specialist 08/10/2014 –04/15/2016  Trelleborg, Bangalore  Solutions Architect 04/18/2016- 09/04/2017  Adobe Systems Pvt Ltd.,  Bangalore  Solution Architect 06/25/2018- 07/03/2019  Unisys India Pvt Ltd.,  Solution Architect 07/04/2019 to 03/14/2020  Transformation offline private limited  Sr.Solution Architect 04/20/2020 to 07/04/2024  HCL Technologies |

**Growth Path**

**07’97 to 07’98 Software Engineer**

**07’00 to 07’05 Sr. Software Engineer**

**07’06 to 07’10 Technical Architect**

**07’10 to till date Solution Architect**

**Key Result Areas**

* Roadmap definition for products and projects
* Guiding process owners on choices of digital transformation, which are relevant to their processes and associated pain points
* Mentoring the team for gathering requirements; conducting design activity for mix of operations & technology focused projects
* Establishing mechanism for identifying process improvement & opportunities that make processes more robust and cost effective
* Recognizing the end-to-end processes, controls, dashboards / metrics and requirements for sponsored projects
* Devising and monitoring of internal governance activities; ensured that the processes are effectively implemented, and controls are in place to ensure integrity and accuracy of financial information
* Facilitating & ensuring **continuous monitoring of production servers** that includes system health, resource utilization, file transfer rate, database insert rate and logs; managing alerts, schedule downtime for servers
* Entering & **managing tickets in Service Desk** and investigating issues with respect to ticket raised using Publisher Account and reporting issues to Publisher Team; taking necessary actions to resolve it within the defined SLA/TAT

**Academic Details**

M.Sc. (Computer Communication) from Bharathiar University, Coimbatore in 2000 with University Top Ranking

B.Sc. (Computer Science) from Bharathiar University, Coimbatore in 1997

**Technical Skills**

Software Engineering Tools: UML, Rational Rose, OOAD

Products : Adobe AEM, Target, Campaign, Analytics, IBM MQSeries, HP Open View, ILog JConfigurator/Jrules, AMP Chroma, Syclo Agentry, Sybase Afaria, Sybase Unwired Platform, Rhodes, MobileIron, Airwatch, SAP NetWeaver, Cassandra, Unicenter TNG, MAGIC, TIBCOCloud: AWS, Azure, APIGEEWeb/App Servers: IIS, Apache, OSGI, Tomcat, JBOSS, Spring, WebLogic, IPlanet & WebSphereLanguages: C, Java, HTML5, JavaScript, XML, XSLT, CSS3 Assembly, C++, Pascal, COBOL, BASIC, FORTRAN

OS/Platforms: LAMP, Struts, Angular, Bootstrap, Alloy UI, Maven, ANT, J2ME, J2SE, DOS, Windows 2000, Palm OS, Windows CE, Linux, PHP, IOS, Blackberry, Android, Windows Mobile/Windows 8 Hibernate, Sprin

Linux, AIX, Windows NT, Embedded Java, Cygwin, PRC Tools, RIM OS1 EPOC32, UNIX & Novell Netware

Protocols: TCP/IP, IrDA, WAP, REST, SOAP, ARP, SNMP, POP3, SMTP, Mobitex, SMS, GSM, GPRS, X10, SIP, I-Mode

Databases: SQL Server, MS Access, MySQL, Oracle & Sybase SQL

Development Tools: Eclipse, IntelliJ Idea, GCC, JDK 1.3, J2ME Wireless Toolkit, Metrowerks CodeWarrior, Falch.net, PhoneGap, CSS3 Forte, Blackberry SDK, Visual Basic, CVS DelphiJVM; Spotless, KVM, Waba & HotSpot

API: J2ME CLDC, MIDP, Java COMM JNI, JAXPHardware: Palm, IPAQ, Visor, Blackberry PCs, R320 & DS5000

Exploratory: DSPWireless Technologies: M2M, M2P, Infrared, Telemetry, Telematics & Bluetooth

**Memberships/ Affiliation**

* Conducted Patent Pending for Chatbot AI model Automation, Offline Payments and Digital Currency
* Participated in CSC Office of Innovation (COIN) Paper Contest in 2007 (Paper Titled “Data Intact”)
* Advanced Systems and Software Engineering Training (ASSET Certified)
* Selected for Rotary Youth Leadership Award (RYLA) Camp in 1996
* National Cadet Corps B-Certificate Holder

**Personal Details**

**Date of Birth: 13th July 1977Languages Known: English, Tamil, Kannada & Hindi**

**MAJOR PROJECTS**

**Title: Microservices COE**

**Period**: May 2023 to July 2024

**Role**: Solution Architect

**Environment**: AWS, Azure, SaaS Platforms, Sprint boot, FaaS

**Key Result Area:**

* Presales activities
* RFP documents analysis
* RFP Questions preparation
* Solution deck preparation for RFP
* Estimation for RFP
* Presenting Solution deck to Customers

**Title: MoominByArabia.com (ecommerce)**

**Period**: Oct 2022 to April 2023

**Role**: Solution Architect

**Environment**: VSF Cloud, Bloomreach Content SaaS, Bloomreach Discovery, Bloomreach Engagement, Akamai CDN , SAP Hybris, VSF Orchestrator (API Gateway)

**Key Result Area:**

* High-level design preparation, documentation and incorporating review comments with stakeholders’ approval
* Low-level design preparation, documentation and incorporating review comments with stakeholders’ approval
* Hands on Bloomreach development activities and collaboration with VSF UI Team
* Job development for SAP Hybris to Bloomreach CMS for authoring purposes
* Setting up and integrating Bloomreach Discovery with Bloomreach CMS
* Setting up and integrating Bloomreach engagement with Bloomreach CMS
* Content personalization setup using Bloomreach engagement
* Integration Design and documentation
* Pipeline design and documentation

**Title: AuraSync/AuraFeeder/Metrics Rollup/Monitoring as Code/CSDigital for Credit Suisse**

**Period**: August 2020 to Sept 2022

**Role**: Solution Architect

**Environment**: OpenShift/Spring Boot/Jenkins/Open JDK/IDP(IAM)/CMDB(Data One)/Big Data(Data Lake)

**Key Result Area:**

* Analysis and HLD/LLD preparation for following
  + AuraSync – Batch/Delta Sync application synchronizing Aura/Osmosys Oracle Database for entitlements (Aura On-boarding for Osmosys)
  + AuraFeeder – Batch Application synchronizing ICTO Information with Data One and Aura (Dynamic rights management for Osmosys)
  + Metrics Rollup – Multi region Batch Application to rollup CPU/Memory metrics into Data Lake for all ICTO
  + Monitoring as Code – Micro services based application to expose endpoints to achieve Monitoring as a Code for Osmosys
* End to End Solutioning including DR based on OpenShift/Spring Boot
* Spring Actuator based DR Design and implementation
  + Active/Active Strategy
* APIGEE Proxy implementation for Monitoring As Code
* Multi-region deployment to OpenShift using Helm/Jenkins/Docker
* Integration with Data One/Data Lake
* Achieved Optimal synchronization based on schedules with Active/Active Strategy
* Documented and implemented deployment strategy for deliverables
  + Branch based
* .Net Based Single Sign-on design/Implementation for Osmosys based on GAIA (IDP)
* Created JIRA tasks for development team
* Code Review based on IntelliJ/SonarQube
* CS Digital
  + Manage and Maintain T24 Roadmap implementation deliverables
  + Data Leak Prevention feature LLD/Implementation
    - Consume 5 DLP Endpoints using parallel/threaded microservices
    - Consolidate responses per document and expose result as microservice
  + Pyrite ID6 feature LLD/Implementation
    - Compliance Notification as Email/SMS/Push Notification based on days past event
    - Event Driven Active MQ based design
  + Deployment of CS Digital platform features to OpenShift

**Title: PriceClio.com for TOPL**

**Period**: Since May 2017

**Role**: APIGEE Architect

**Environment**: HTML5, CSS, JavaScript, Alloy UI

**Key Result Area:**

* Hosting Solution Selection
* Domain name selection
* Technology Stack and roadmap
* APIGEE based API Proxy Development
* Alloy UI based front end development
* Architecture and design of each vertical services in PriceClio.com

**Title: Sales Velocity**

**Period**: April 2016 to April 2017

**Role**: Multi-Solution Architect

**Environment**: Java, OSGI , AEM, HTML5, JavaScript, CSS3, Spring, AEM 6.1 and 6.2, OSGI container, Tomcat, Maven, GITHUB

Java 1.6 & 1.7

**Key Result Area:**

* Managed a team of 15 members; developed Orbit a visualization engine product for Adobe Media Optimizer (AMO) and provisioned Alexa, IBM OpenWhisk and Adobe.io REST API based integration, to demonstrate voice capabilities of Amazon Echo (Alexa Skill Set).
* Provisioned Abot - Artificial Intelligence Chatbot for Adobe Pre-Sales employees in MS Azure using MS Botframework, MS LUIS, API.AI and MS QnA Service.
* Developed Aritfacia API based eCommerce User Generated Image(UGI) to catalogue matching engine and IBM Watson Image Recognition API based solution to Adobe Target advertisements/offers based on age and sex.
* Improved performance and scalability using parallel computing in OSGI container in Audit Portal
* Handling concurrency and threads for performing parallel processing in OSGI container
* Improved memory utilization and scalability using Streaming Data Structures in OSGI container in Audit Portal
* Propose performance changes to Audit Portal - http://audit.corp.adobe.com
* Propose performance changes to GSS Request portal - https://sharedservices.corp.adobe.com/content/gss-portal/en/gss-portal.html
* Participate and contribute to development of Audit portal and Request Portal
* Developed new features to audit portal
* Design and develop POC based on AEM, Analytics, Target and Campaign as well as Demos based on AEM, Analytics, Target and Campaign
* Internal Consulting for AEM performance issues specific to customers
* Architect solutions based on AEM for Internal applications and customers for Demo’s and POC.

**Title: Innovation Center of Excellence for Trelleborg**

**Period**: Aug 2014 to April 2016

**Role**: Mobile Architect, Enterprise Architect & Innovation Specialist

**Environment**: HTML5, JavaScript, CSS3, Spring, Java, .Net, PHP, Tomcat, JBOSS, Jenkins, JIRA, Chef, SVN, GitHub and ElectricFlow

Maven and GIThub, iOS and Android, Parse mBaaS, ZAP, SharePoint & Cassandra, Azure

**Key Result Area:**

* Proposed:
  + Architecture for Mobile Projects – High Level Design (Android, iOS, HTML5, JavaScript, CSS3)
  + Architecture for Enterprise Application Projects – High Level Design (Java, .Net, PHP)
  + 40 new Innovations (Idea) in TrellivITy
* Conducted review of:
  + Architecture for Mobile Projects – Low Level Design (Android, iOS, HTML5, JavaScript, CSS3)
  + Architecture for Enterprise Application Projects – Low Level Design (Java, .Net, PHP)
  + Security Architecture for mobile and web projects using ZAP
  + Image Detection and Recognition solution architecting using CloudSight
  + Integrating Google Analytics with iOS and Android Apps
  + End to End Solution Architecture for Parse mBaaS based data analytics and marketing campaign management solution.
  + End to End Solution Architecture for Covacsis IOT Solution for TSS, India (Plant)
  + Implemented DevOps for Enterprise and Mobile Projects (Jenkins, JIRA, Chef, SVN, GitHub and ElectricFlow)
* Launched TrellivITy – Ideation center for Trelleborg on SharePoint – Individual Development and contribution
* Contributed to B2B e-commerce architecture – Oracle Commerce (ATG)
* Successfully developed:
  + IOT POC using Arduino Board
  + Engineering Calculator for Tizen OS using Tizen SDK for Samsung Gear (HTML5, JavaScript, CSS3)
  + Live QR Code Reader in Tizen OS using Tizen SDK for Samsung Gear (HTML5, JavaScript, CSS3)

**Title: EzyTrak Mobile**

**Period:** Dec 2013 to June 2013

**Role**: Mobile Architecture Consultant

**Environment**: Android, Java, HTML, CSS 3.0, JavaScript

**Key Result Area:**

* Present Enterprise Mobility Roadmap to CXO
* Prepare and Present High Level Architecture to Enterprise Architecture Team
* Collect and prepare NFR from End Users
* Fitment and selection of MADP and MDM for SingPost
* High-level Design of EzyTrak Mobile Application (Android)

**Title: Enterprise Mobility Solutions/Consulting/MDM Center Of Excellence multiple customers**

**Period:** Jan 2011 to June 2013

**Role**: Practice Manager/Mobile Solutions Architect

**Key Result Area:**

* Established SAP connectivity using JCo connector/Web Services
* Deployment and configuration of SUP for SAP connectivity
* Development of SAP workflow applications as well as SAP mobility applications by consuming SAP web services
* BAPI configuration support
* Deployment and configuration of SAP Mobile Sales COTS product
* **MEAP/MDAP consulting and Implementation (SUP, AMPChroma)**
  + 3rd Party Payment gateway integration and PCI Compliance
  + Presales and consulting; Mobile solution design and development and Case study/white paper preparation
  + Feasibility Study; Objective C(IOS), J2ME(Blackberry), Java (Android) and C#(Windows Phone) application development
  + Problem Solving for customers in terms of technology
  + Value add with respect to technology for customers (consulting/solution design)
* **Cloud Computing development – Amazon EC2**
* **MCAP based application Solutions**
* **MDM:**
  + MDM consulting and Implementation (MobileIron, Sybase Afaria, AirWatch)
  + MDM Product fitment and selection for Tier 1/Tier 2 customers based on requirements
  + MDM deployment design and configuration
  + Network Topology and Network Architecture design for MDM deployment
  + MDM redundancy, failover and load balancing. (Clustering)
  + Reverse Proxy Configuration and deployment in DMZ
  + BES configuration for MDM deployment

**OTHER PROJECTS**

* M2M Server/Agent - IP/Framework/Product Development: using JSP, Spring, Oracle, IDEA, Microsoft Visio, Web Services, Hibernate, Weblogic application server, XML, XSLT, Apache HTTP Client, AIX, Windows, HTML5,CSS 3.0 ,JavaScript, Java, tomcat
* LABKA from Nov 2009 to Dec 2010 for CSC Denmark
* VFS Production from April 2009 to November 2009 for VISA
* UHG OM from Mar 2006 to Mar 2009 for UnitedHealth Group at Cypress – USA as Project Lead
* Internal Crossing System from Feb 2005 to July 2005 for Wachovia Securities
* Witness Contact Center Optimization Suite from Jul 2004 to Jan 2005 for Witness Systems
* Loan Genius from Argent Mortgage Company, USA from Mar 2003 to Oct 2003
* Chesapeake End State System from Sep 2002 to Mar 2003 for Citigroup, USA
* M-Purse from Dec 2001 to Sep 2002 for NTT DoCoMo, Japan located at Bangalore - India
* Mobile Sales Force Automation from Sep 2001 to Nov 2001 for Sundaram Finance Ltd, India
* Pervasive Service Manager Platform (PSMP) from Jun 2001 to Aug 2001 for Wipro InfoTech, India

**PRODUCTS DEVELOPED**

* PJAM (Proprietary Java Application Manager) from Jun-01 to Aug-01 for Peer-2-Peer Server/Client (P2P), Bangalore
* KServer (thin webserver) from Jun 2000 to Aug 2000 for Ecrio Inc., USA
* PayMIS(Payroll product) from Aug 1997 to Aug 1998

**-End-**