**R Narayana** TOGAF9®, PRINCE2®, PSM®, PSPO®

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Professional Summary

* Well-rounded hands on solution architect with over 14 years of progressive IT experience in designing, architecting and supporting enterprise solutions hosted on Cloud and on-premise technologies.
* Experience in design and development of web, distributed applications, message oriented, SOA, Microservices based eco systems, Cloud, Cloud-native applications, Real-time data pipelines & distributed streaming platforms, Containers, DevOps practices, TDD / BDD and CI / CD automation.
* Demonstrated success in Agile, DevOps, DevSecOps, Digital transformation, Application Security (AppSec) and Re-platforming journeys in banking and non-banking enterprises.
* Expertise in building reference architecture and POCs for microservices eco-system with SpringBoot, SpringCloud, AWS, Cloud Native (PCF) applications based on 12-Factor application patterns.
* Responsible for Web & Digital platform architecture – Cloud migrations, adoption of DevOps, modernizing the stack to embrace API, containers and microservices.
* Providing architecture guidelines for web and digital deliveries, designing new and innovative solutions to challenges.
* Leading Agile development projects: applying, implementing, enforcing Scrum principles and practices, facilitating continuous improvement, identifying and removing impediments.

Work Experience

Senior Solution Architect, DBS Bank

Helius Technologies

10/2017 – Till Date

* Worked with DBS InsurTech start-ups to design the platform including engagement and delivery Phase.
* Migration of existing solutions to microservices architecture, produced micro-services design artefacts for various components like Claims, Rating and Finance.
* Designed microservice template and supporting tools for teams migrating to microservices architecture. This included conventions for CI/CD, metrics, logging, exposing swagger documentation and visualising service dependencies.
* Highly-available and auto-scalable set of microservices with zero-downtime deployment, unified monitoring and logging. Technologies - SpringBoot, SpringCloud, Netflix OSS modules, ELK, Redis, OpenShift, PCF, Ansible, Jenkins, Datadog, Splunk etc.,
* Designed Application Architecture using Dockers, this includes C.I and TDD. Implemented DevOps pattern throughout application development lifecycle.
* Key decision maker on UI design using React JS framework for Omni Channel rollout. Produced REST using API Controller model to supplement non-UI customers with corporate branding.
* Conducted MVP workshops with Core Team to establish Multi-tenanted architecture using NO SQL database for white label customers.
* Engaged with Product and Pricing team to define AS-IS and TO-BE landscape and Optimized Rating model to adhere agility and accelerate change of rate through automated testing.
* Migration to continuous integration with automated deployments to PCF, AWS and fully virtualized VMware environment.
* Providing architecture design and review with enterprise architecture group, performance testing, troubleshooting, workshops and training as well as developing integrations.
* Drive POCs to assess new solution/application paths.
* Lead development of formalized solution methodologies.
* Provides expertise to identify and translate system requirements into software design artefacts.

Solution Architect, OCBC Bank

Tech Mahindra

12/2016 - 10/2017

* Home Insurance Transformation Programme included replacing Legacy systems with new Policy, Rating and BI / MI system.
* Responsibilities included Producing High Level Designs for Architecture Board from across 13 work streams and reviewed LLD's from various offshore vendors.
* Key member of Integration Workstream and helped BAs with New Business Process maps for Personal Lines.
* Act as visionary and strategist for solution/application area.
* Provides expertise to identify and translate system requirements into software design artefacts.
* Transformed existing integration layer from classic SOA architecture based on Oracle technologies to a range of micro services. The requirement was to improve time to market on service releases, combined to lower license costs.
* Convert existing Oracle OSB and Oracle BPEL to implement a number of new services, using a range of open source technologies e.g. Spring Boot and Camel.
* Architecture and development of backend REST apps using Spring Boot, Camel, Docker, AWS
* Integration with payment service providers (Visa, CyberSource, MasterCard Internet Gateway Service)
* Worked closely with business to procure Fraud (SIRA) and Complaint (Respond) Systems for Transformation Programme.
* Involved at RFP, Procurement, Solution Design, Integration and Testing of OCBC Fraud Systems.
* Worked closely with Data Workstream to produce Data purge and Archive rules/design for personal Lines.

Solution Architect, OCBC Bank

Tech Mahindra

09/2012 - 11/2016

* Involved in RFI process for procuring groups commercial underwriting platform. Vendors include Adobe AEM, Pega and Guidewire.
* Worked Closely with SMEs and BAs to separate Logical Data between Commercial and Personal lines (Motor, Pet, Home, P&C, Motor Trade, Motor Fleet and Engineering)
* Design and development of a web-based user interface and surrounding web-services for the BPMN modelled business processes.
* Technical design and implementation of the web application, OBPM, web-services and database design, including integration with back-end systems. ex. web-service integration with Oracle BPM.
* The services were developed directly on the OSB using BPEL or Java & JAX-WS, depending on complexity and re-usability policies.
* Development of documentation of reusable user interface components and build system.
* Project management involving planning, delivery, quality, reporting and budget control.

Technical Architect, GE Insurance

Tech Mahindra

04/2011 - 08/2012

* Involved in designing a brand-new digital platform. This includes ECM, CMS, Digital Marketing and Analytics System
* Involved in procurement and product analysis on engaging CMS. Products involved Adobe AEM Cloud, Sitecore CMS and SharePoint
* Integrated backend TIBCO ESB systems with Sitecore for Pricing Engine, Policy and Claims Management.
* Designed Infrastructure architecture for Adobe AEM by providing options with both On-Premise and Cloud Services.
* Involved in producing High Level and Low-Level Design documents for development sprints within agile methodology.
* Designed Sitecore to adhere with content compliance by automating workflows management across various business team
* Involved in architecture and design of a secured Web API using Layer 7 for third party quotes and comparison websites
* Directly managed Team Leads, Application Architects and Off-shore developers
* Sizing and scaling of the current and new infrastructure including Load and Performance testing to validate the implementation.
* Evaluation, Implementation, Administration and support of Non-Prod, Production business critical environments.

Tech Lead, Prudential

Tech Mahindra

09/2008 - 03/2011

* Designed standards-compliant web pages and built document tracking/workflow system with HTML, CSS, JavaScript, jQuery, JSON, and REST architecture.
* Migrated legacy Web Apps to MVC 2 with Entity Framework and implemented SOA architecture with facade pattern
* Translate business requirements into detailed architectures and designs
* Involved in producing Software Design Documents and created sequence diagrams for business components
* Designed security layer for cross cutting components and built OAuth secured external APIs with WCF
* Develop solution development and implementation project plan, identify all software and hardware technologies
* Document all technical requirements and design technical solutions utilising enterprise architecture standards including documenting all solution components and configurations

Sr Application Specialist, National Healthcare Group, Singapore

SCS Pte Ltd

05/2005 - 09/2008

* Worked closely with business Analysts, on-site clients, Infrastructure and pre-sales team to provide solutions within the budget
* Involved in requirements gathering, system analysis and architecture evaluation to identify reusable components within an existing business domain.
* Developed modules on a dedicated framework with custom GUI controls, ORM persistence and report engine.
* Designed and developed a RESTful style Web Services layer to interface with RPG and DB2 system, and an AJAX front end. Used Java, HTML, CSS, and the JavaScript libraries Prototype and Rico.
* Increased application reliability by implementing unit and functional testing framework.
* Implemented strategic Code Review, Stress Testing, Penetration testing, Code Analysis, Maintainability Index, Coding standard and Peer review for the projects within the Organization
* Design the use case scenarios and system components.
* Mentoring sessions for developers and perform code reviews.
* Involved in change requests and enhancements.

Skillset

* **Enterprise Architecture**: Business modelling, Business Process Design, Role Design, Organization Design, Data Design, Application Design, Systems Integration, IT Industry Standards, Services Design, Architecture Principles Design, Architecture View & Viewpoints Design, Building Block Design, Solutions Modelling, Benefits Analysis, Business Interworking, Systems Behaviour, Project Management, UML, BPML, TOGAF9.
* **Web Architecture**: Client-server model, MVC, APIs, JSON, XML, HTML, Apache, NGINX, Web Caching (Client & Server side), CDN, Web Security.
* **Software Architecture:** OOD, OOP, Design Patterns, AI Methods and Principles, Web/Mobile/ Desktop Software Principles and Programming Languages: PHP, Python, JavaScript, Java (Android & Web Frameworks), Software Security.
* **Software Product Management:** Agile Methodologies, Scrum, Kanban, User Stories, User Journeys, Requirement Elicitation, Stakeholders Considerations, HCI principles, Wireframes, Storyboards, Project Planning, Iteration Planning, WBS, Risk Planning, Reviews, Metrics, Gantt Chart, CPM Chart, PERT Chart, Burn-down Chart.
* **Databases:** RDBMS, SQL, ETL, Data Integration, Data Cleaning, XML, Data Security, NoSQL, Oracle, Microsoft SQL, DB2, DynamoDB, MongoDB, MySQL, MariaDB, Hibernate and iBatis
* **Cloud**: AWS (VPC, EC2, Lambda, API Gateway, Web Application Firewall, Elastic Load Balancer, NAT Gateway, AWS Elastic Search, AWS Notification, SES, Dynamo DB, Spring Cloud / Netflix OSS (Eureka, Zuul, Ribbon, Hystrix and Turbine), Pivotal Cloud Foundry (PCF)
* **Containers:** Docker, Kubernetes
* **Languages**: Java/JEE Stack (Core Java, EJB, JSP, Servlet, JAXB/Caster, JAX-RS, Java Swing, Multithread, RMI, JDBC, Java Mail, JSF), Python, Scala, AngularJS, ReactJS, Redux, jQuery, HTML, XML, CSS, JavaScript, Bootstrap, AJAX, JUnit
* **Open Source Libraries and Frameworks**: Spring, Struts, Hibernate, AspectJ, CXF, Jersey, Jackson, Swagger, Quartz, Swift messages, Log4J, Selenium, OSGi, Apache CXF, Ehcache, JMS, RabbitMQ, Crystal Reports, Jasper Reports etc.,
* **Application Servers**: Tomcat, JBoss, WebLogic, WebSphere, Resin
* **Middleware**: OSB, SOA, ActiveMQ, Message Broker, TIBCO, SOAP/XML/WSDL, DB2Connect, Message oriented Middleware (MoM), Connect Direct Secure+, Hyper channels
* **Platforms**: Mainframe, UNIX, Linux, Windows
* **Architectural patterns**: Microservices, Cloud, SOA, REST and n-Tiered architectures
* **Agile**: Scrum, XP, BDD and TDD
* **ECM**: Adobe Lifecycle ES, Liferay, OpenCMS, Magnolia, Alfresco
* **DevOps**: JIRA, Nginx, Jenkins, Bamboo, IBM UDeploy, Git, SVN, Maven, Ant, Gradle, Nexus, Ansible
* **Monitoring**: JMX, SNMP, Nagios, New Relic

Certificates

* TOGAF9® Certified
* Prince2® Foundation
* Professional Scrum Master® (PSM1)
* Professional Scrum Product Owner® (PSPO1)

Education

Madurai Kamaraj University, India

2000 - 2002

Master's degree

Masters in Computer Science & Information Technology *(Distinction)*