Joshua Francis

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IT profesional with 20 years of experience in software architecture / design / development and project management. My primary expertise is in Architecture, Development and management of web applications and application integrations.

Specializations

Digital: I possess extensive experience in developing Digital Solutions across a broad set functional area. I had

- Architected, designed, and developed Solutions for Information Discovery and Business Intelligence
- Architected hybrid cloud integration solutions.
- Developed responsive Single Page Applications using HTML5, CSS, Bootstrap, jQuery, Angular, NodeJS, Express, NoSQL (MongoDB)
- Designed solution for handheld mobile devices
- Promoted use of modern collaboration tools like Slack, Oracle Beehive Workspaces, Git etc. and other build and container tools like Maven, Docker, Jenkins
- Promoted and streamlined DevOps within Oracle Application Development Group
- Contributed to workshops on UX design and IOT solutions, keeping abreast with technology involving Amazon Web Services and IOT Cloud Service

Architecture: Proficient in handling architectural negotiations to arrive at solutions that are ideal for business. I had

- Developed Minimum Viable Product solution offerings that makes business sense.
- Arrived at business use cases based on evaluation of value propositions.
- Performed analysis of existing architectures and developed new architectures for Business processes and Application units. Analyzed Data needs and proposed data security and migrations plans
- Reviewed technology usage and proposed integration solutions.
- Proposed and negotiated architectures with stakeholders
- Proposed building of reusable assets, defined best practices, promoted knowledge sharing across program tracks through active collaboration.
- Authored Whitepaper on Hybrid Cloud Integration solution at Oracle

Technology: I have worked on a large spectrum of technology areas across the various projects I had worked on. Significant areas are

- Designed and developed web applications involving Java, Microservices, REST APIs, Spring, jQuery, Angular, NodeJS, Express, SOA Suite, Oracle Database and Tools like Postman, SoapUI etc.
- Reviewed application performance at database level and application level involving SQL, PL/SQL, and performance Tuning, ETL and Business Intelligence
- Understanding of Network topology and providing solutions based on Clients Network topology.
- Played the role of Security Point of Contact within Organization, reviewing and providing solutions for Web Application Security (OWASP top10) involving XSS, SQL Injection vulnerabilities, Fortify / Web inspect tools.
- Worked on authentication and security concepts OAuth, Cryptography, TLS/SSL
- Delivered solutions on oracle SOA suite, Integrated SOA Gateway, XML Gateway, WebAdi, Workflow, Concurrent Processing
- Executed Proof of Concept on IOT initiatives both professionally and as a personal interest involving devices like Raspberrypi, Arduino micro-controllers, MQTT

(Message Queue Telemetry Transport), Eclipse Phao, Openhab platform and ESP8266 modules.

Collaboration: I have excellent interpersonal and management skills across projects and programs. I had
- Led and participated in meetings with management and executive sponsors on product proposals, product roadmap and refinement of requirements and functionality and daily, weekly and monthly schedule.
- Led discussions with Support Organisation, Framework teams and Quality Assurance teams, Release Engineering and Operations group and End customers.
- Lead DevOps program within the organisation
- Project management of many development projects, each project with typical team size of about 7 developers (excluding Quality, Build, Operations team engineers). Tasks include project planning, creation of WBS, monitoring and status reporting.
- Program management of up to 7 concurrent projects. My tasks include validation of project plan and effort projections, monitoring of projects against division level timelines, issue / risk identification and resolution and governance on compliance to standards.

Planning: I have extensive planning expertise spanning for about 16 years. I have been involved in planning, tracking, reporting and baselining tasks. I have experience in

- Creating and maintaining project plan with Microsoft Project
- Risk identification and mitigation / contingency
- Resource planning
- Worked on various SDLC models like Waterfall and Agile methodologies
- Performed vendor management.
- Estimation of projects and their conformance to release timelines.
- Planned ahead for hardware and arrived at estimates for next year and planned projects

Functional: I have a broad exposure across banking (Direct Debit for AMEX), Telecom (Number allocation for Swisscom), CRM / SCM / Financial modules of Oracle eBusiness Suite and Healthcare domains. I have extensively worked on Channel Revenue Management, Marketing and Sales Products, Price Protection, Supplier Ship and Debit, Incentive Compensation products.

Certification and Training

- TOGAF 9 Certified

- AWS Certified Solutions Architect – Associate

- i) Sun Certified Java 2.0 Programmer, ii) Sun Certified Web Component Developer and iii) Sun Certified Business Component Developer

- Workshops – i) Project Management Professional (PMP), ii) Scrum in Action

Professional Experience

March 2002 –March 2018	Oracle India Pvt Ltd (India)	Last Position: Director EBS Development

My last position was techincal Director within in product development organisation. I have worked my way up from being a 'Senior Application Engineer' to 'Director EBS Development'.		

Jan 2001 – March 2002	Everest Consulting Group (USA)	Software consultant

Nov 1997 – Oct 2001	Tata Consultancy Services (India)	Senior Systems Analyst

Projects

- Architected integration solution of Hybrid Cloud implementation of Oracle Channel Revenue Management using Oracle Integration Cloud Service, REST APIs. The solution was developed and delivered to customers.

- Architected information discovery service based on In-Memory database –This includes architecture and design of Data model, ETL, Application Integration, and Security model. The solution was built and delivered to enterprise customers with successful implementation like in Schreiber Foods.

- Architected solution for promotional planning and claim management for Michelin Tyres and is currently rolled out in China and India Markets.

- Developed Data Generation and inbound / outbound Data Transmission of Oracle Supplier Ship and Debit Module. The solution was built to XML, DTD with Rosettanet PIP standards. The solution is now a key process at customer's end e.g. Arrow Electronics.

- Designed and developed application for Price/Cost management of Inventory. The project involves design on JavaScript Angular based UI and backend REST APIs for business process and to support the UI.

- Developed Single Page Application with Angular 5 with Material UI, NodeJS, Express, and REST APIs. I have used MongoDB/Mongoose Pagination. Worked with Yeoman, Grunt Gulp, SaaS.

- Developed many Java based web applications using MVC and UI rendering frameworks.

- Developed JSP, Servlets, EJB based application for data synchronization to remote devices

Educational Qualification

May 1997	Master of Engineering - Birla Institute of Technology and Science Pilani India
May 1995	Bachelor of Engineering – University of Madras - India

Personal Details

Citizenship: Indian, Work Visa: Permanent Resident Visa, Subclass 189