Giridhar Prasad

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Experience summary

More than eleven years of IT expertise and experience in architecting, designing, developing and deploying enterprise standard, complex software applications based on business needs.

Work Experience

Total Experience - 13 years and 02 months

Project	Leading Tobacco consumer business
Duration	04 May 2016 to till date
Domain	E-commerce
Role	Solution/Enterprise Architect
Description	The company is a British multinational tobacco company headquartered in London, United Kingdom. It is the largest publicly traded tobacco company in the world. It has a market-leading position in over 50 countries and operations in around 180 countries.
Responsibilities	Solution architect responsibilities • Provided enterprise class architecture solutions by creating multiple views, presenting architecture from different perspectives and with defined accuracy. Views were based on 4+1 model encompassing developer view, logical view, process view, physical view and different use cases/scenarios. • Engage with key program stakeholders such as Information Technology (IT) Director through periodic workshops and ensure that the work delivered is in line with the vision of customer's business.

	- Carried out Proof Of Concept (PoC) work for complex implementations as well as established core framework/layers for developers to carry on with coding - Performance management before and after product release including Java Garbage Collection (GC) tuning, application tuning, Oracle instance and query tuning. - Efficient utilization of non-production environments/assets for development/testing while handling parallel, multi- geography product releases. - Proposed a Continuous Delivery framework with suitable tools in order to facilitate the Continuous Integration (CI), Continuous Testing (CT) and Continuous Deployment of (CD) completed code into non-production environments. - Resolved complex Production issues related to performance bottlenecks such as memory leak as well as functional issues related to incorrect/incomplete concurrency implementation - Mentored and nurtured junior architects and other team members from a technical standpoint. Enterprise architect responsibilities - In addition to the primary responsibility of being a solution architect, served as an enterprise architect for Consumer Business Unit (CBU) vertical within Wipro and worked with several accounts. - Tasked with identifying the gaps in terms of team structure, composition, governance, risk management and provide appropriate solutions, in addition to architecture design and review activities within the CBU vertical, proactively to the top/critical accounts. - Worked for a leading American clothing company during peak season last year and ensured that the application availability was close to 100%, so that business could meet its sales targets.
Key solutions proposed/executed	- Proposed a solution to migrate, upgrade and integrate Business Rules Management System of RedHat platform with SAP Hybris, using REST as the integration layer, in line with multi-tenancy vision of the business. Coded the core layers for so that developers could take it from there. - Proposed a solution for a Single Sign On (SSO) use case, between Hybris and a third party loyalty platform using encrypted and signed JSON Web Token (JWT) concept. Wrote the prototype code for PKI cryptography and JWT encryption & signing so that developers could proceed further.

	- Proposed and developed a Proof Of Concept to create a conversational Artificial Intelligence (AI) bot using Google's Dialogflow, Node js, Angular, Git and got it deployed in Heroku for consumption. - Proposed a solution to verify the integrity of all incoming files within the enterprise, as a security measure.
Organization	Wipro Technologies

Project	European financial services company - insurance
Duration	18 Jan 2016 to 07 Apr 2016
Domain	Insurance
Role	Technical Architect
Description	The customer is a leading insurer which, through its subsidiaries, provides property and casualty insurance services, life insurance services, and health insurance services.
Responsibilities	- Conceptualize and build a migration service to synchronize changes between front end Case management platform and middleware layer. - Understand the business problem from customer and design the solution to meet all their non-functional requirements.
Key solutions proposed/executed	- Proposed and built a SOAP based web services layer to keep the changes in the Case management application in line with middleware.
Organization	Tata Consultancy Services Limited

Project name	UK government contribution workplace pension scheme
Duration	30 Oct 2009 to 15 Jan 2016
Domain	Pensions
Role	Developer/JEE Designer/Technical Architect
Description	The UK government project is one of the qualifying pension schemes that employers can use to meet their new duties. It was set up as part of the government's workplace pension reforms.
Responsibilities	- Providing solution and technical architecture for various business requirements.

	• Responsible for Capacity planning and management.
	• Worked on Performance modelling and performance tuning of web applications, batches, Oracle database and Web server.
	• Analyzed the existing enterprise landscape of tools, products, framework & APIs used and strategized the upgrade/migration roadmap.
	• Conduct regular code reviews to ensure adherence to coding standard sand design principles.
	• Recommended and implemented web application security architecture, as per security compliance requirements
	• Planned and implemented enterprise monitoring strategy for the complete application landscape.
	• Recommended tools and frameworks to improve/enhance the enterprise IT landscape, in collaboration with Architecture Review Board (ARB).
Key solutions proposed/executed	• Proposed and built an email like functionality for secure message exchange between the customer and the scheme. The solution design for this use case/business process spanned across the web portal, document creation system, Enterprise Content Management (ECM) system, a Case management system and a Data warehouse using several integration techniques such as Web services, Java Messaging System (JMS) and Extract, Transform and Load (ETL).
	• Proposed the solution design for an industry first integration channel using asynchronous, REST based, self-recovering solution as public APIs to support the key business processes. JMS and MDB were used as the integration technologies.
	• Proposed a solution to bring in Oracle based platform for reporting and managing accounting transactions from General Ledger. This also involved migrating accounting transactions from Data warehouse into the Oracle Exadata database and report the financial transactions using OBIEE reporting application.
	• Proposed a solution to integrate Web chat solution with the web portal.
	• Proposed deployment architecture for big data based online data archival product.
Organization	Tata Consultancy Services Limited

Project	Internal tools development

Duration	01 Apr 2008 to 29 Oct 2009
Domain	Technology
Role	Research Analyst/Developer
Description	Help the project teams achieve their objectives by building handy tools/frameworks, which will enable them to complete their work, faster.
Responsibilities	• Primary responsibility was to try out new technologies and frameworks and tailor them to fit requirements and deliver them in shortest possible time (not more than 3 months). • Design, develop and deliver tools mainly by customizing Content Management System (CMS) frameworks such as Wordpress.
Organization	Tata Consultancy Services Limited

Project	Leading UK insurer
Duration	11 Jan 2007 – 31 Mar 2008
Domain	Insurance
Role	Developer
Description	The insurance company provide services such as Car insurance, Home insurance, Travel insurance, Life insurance, Health insurance etc.
Responsibilities	• Design and generate reports using a report generation tool from an incident management system to meet the management requirements.
Organization	Tata Consultancy Services Limited

Project name	Japanese multinational automobile company
Duration	30 Jun 2005 – 27 Dec 2006
Domain	Automobile
Role	Developer
Description	The company is a Japanese multinational automobile manufacturer and it is the sixth largest auto maker in the world.
Responsibilities	• Mesh the automobile engine component specifically in order to test and simulate crash analysis.
Organization	Quantech Global Services/Wipro Technologies

Education details

Education	Specialization	Year of graduation	Institution
Bachelor of Engineering (B.E.)	Mechanical Engineering	2005	Amrita Institute of Technology and Science

Awards and Recognitions

- Awarded The Best Architect award from Consumer Business Unit vertical in Wipro for Q3, 2017 - 2018.
- Awarded The Best Architect award from Strategy, Consulting and Architecture practice/service line in Wipro for Q4, 2017 - 2018.
- Runner-up of Global top 10 coding contest using Java programming language within Tata Consultancy Services Limited, which is an Organization wide coding contest.