CURRICULUM VITAE

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OBJECTIVE

Be accustomed to challenging work environment that involves with innovation, application / System architecting over cloud environment. Strong experience on CLOUD application development/migration and/or software application/framework design through agile mode. To be on par with the latest in IT domain.

CAREER PROFILE SUMMARY

Employer	Job Title	Period
COGNIZANT TECHNOLOGY SOLUTIONS	Senior Architect	Since Feb 2018
CENTURYLINK TECHNOLGIES INDIA PVT LTD, BANGALORE, INDIA http://www.centurylink.com/	Technical Lead – Applications	April 2013 – Feb 2018
CENTURYLINK TECHNOLGIES INDIA PVT LTD, BANGALORE, INDIA http://www.centurylink.com/	Module Lead – Applications	April 2010 – March 2013
CENTURYLINK TECHNOLGIES INDIA PVT LTD, BANGALORE, INDIA http://www.centurylink.com/	Senior Software Engineer – Applications	Jan 2008 – April 2010
WISOR TELECOM INDIA PVT., LTD., BANGALORE, INDIA http://www.wisor.com	Software Developer	Dec 2006 – Jan 2008
WISOR TELECOM INDIA PVT., LTD., BANGALORE, INDIA http://synchronoss.com/	BRE (Business Rule Entry – BRMS)	June 2004 – Nov 2006

CAREER SUMMARY

- Began the career by being a part on the innovation team on the business rule development using ILOG and proven a fast grasping on the ILOG tool and defined the better methodology on building the rules using TRL (Technical rule language). Executed the voluntary leadership to the team on getting them onboard quickly by smart way of assistance on KT / training depends on the resource capabilities.
- Involved in business requirement analysis from the beginning stage and provided many alternate solutions that are accepted across the stake holders. (BRMS team, onshore technical manager, Architect and Business Analyst).
- Voluntarily taken the ownership of developing the components built in J2EE for the ILOG and built the cost saving validation framework by deeper study of the ILOG engine to improve the performance and decouple the static rules to database alone. It has helped the business rules to production by ¼ ratio.
- Proven the faster grasping qualitied and applied thoughts in short term since shifting the responsibility to the new team named VFO (Virtual Front Office) which is built on Struts 1.2 framework. By seeing my quick grasping skills on the complex application framework development and commitment to the assignments, management has chosen me to the sole responsible of upgrading the application from WEBLOGIC 8 to 10 platforms.
  Career at CenturyLink / Qwest:
- Joined MCAR GUI team and became SME by providing the cost saving solutions for most of the complex problems to onshore and to the end users. Promoted as module lead in short term on by delivering the most complex / critical requirements.

- Provided many technical solutions irrespective of the current owned application technology and platform to other modules and extended the visibility and ownership on multiple applications (QT, HM, CITS, QSR, CDT & Matrix tool)
- Lead the .Net application and gave couple of releases with the co-relation of the C# with JAVA.
- Strengthened the lead activities and handled the team consists of 7 members right from the design to deliverable from onshore on CDT to CEC migration with effective business meetings, delegations, monitoring & reviews. Resolved high technology dependency on SFA WS integration with Weblogic WS in organization level, which helped the assigned & other projects having SFA integrations to brought the project status to green.
- Lead the domain integration project (LQ to LCTL) on QIC projects with detailed, decent plan of the execution and delivered them smoothly over the releases with no impact to the capital project deliveries.
- Developed the POC on the android platform to port the RxPS project (BUS / Web UI) to mobile platform.
- Very quick adoption to the Rx projects by handling the July 2012 release contains SWT, Drools, XSD, Struts2 technologies with process compliance.
- Gave a technical solution on the Rx project on WS integration with new external system (One remedy & Tracs) and build issues.
- Took the complete ownership on the new project RxPS's April 2013 release, of size about 3000 hours assigned with 14 resources and met the delivery date with proper design & reviews. Received the Director award for the same.
- Taken a new responsibility as Onshore Coordinator and received many appreciations on providing cost saving designing on complex modules. Have received many instance of appreciations on excellent coordination with the offshore by syncing the design approach, volunteer on framework coding when team is stuck and performed an outstanding coordination at onshore (Minneapolis) for about 2 years (June 2014 – June 2016)
- On my return to offshore, the team was filled with new resources with mixed of associate level experience and fresher's. Though the capacity was calculated on basis of skills resources, with my constant interaction with the team members on training, guiding and assistance, it was very much possible on time as committed.
- On absence of the project architect, volunteer to play the role of architect by having a necessary discussion with PO, upstream team and stake holders, immediate priority of the complex program such as Alt TN, Prepaid, Integrated ONT, Greenfield GPON, etc…were possible to deliver to production as per program project plan.
- Lead the Program Journey to the Cloud with the high dedication of quickly understanding the Cloud Architecting, Design and PCF. My design approach of converting the monolith application to set of micro services without having an impact to the regular capital program has been very much appreciated by Architect group.
- **Career at Cognizant:**
  Client JPMC:
- Senior consultant on migrating the Business logic at Database to Micro services.
- Lead the Full stack development team to rightly engaged UI and service skilled resources to deliver the UI and Service together on incremental basis to the Cloud (PCF) new platform and have made the client objectives possible on decommission the old platform.
- Successful migration of the business layer into the PCF.

Onsite Experiences:

- HELD B1 VISA and have made 2 times of business visit to Denver United States for the Sales Force integration with QIC.
- HELD L1 VISA and have worked from Minneapolis (United States) and successfully delivered the agenda of all IT programs with outstanding coordination, solution architect, design and integration in the duration.

CERTIFICATES

Certified by NIIT with Certification ID: 05CBZZZZZ1478 on for
- Web – Centric Computing.
- Certified SCJP 5.0 by Sun Micro Systems.
- SPLUNK USER certified.
- Pivotal Cloud Foundry Developer e-Learning (PRPP Advanced)

AREAS OF EXPERTISE

- Spring Core & IOC, Spring Cloud, Spring Hibernate Template, Spring Boot, Spring Data, Spring Rest Repository, Netflix OSS components.

- Micro Service Architecture.
- Pivotal Cloud Foundry (PCF) – Application modeling, Circuit Breaker, Client side load balancing, Market place Service binding, user provided service creation and binding, transaction management via messaging services, Deployment, Management control and Scaling.
- Docker & Kubernetes containerization development and deployment.
- Kafka implementation on integrating the micro services to be inter communicative.
- IBM Drools (DRL and Decision Table), JBPM for the business rule flow engines.
- Active MQ of Publish Subscribe and Request Reply (JMS Correlation ID)
- 15 years of relevant experience on JAVA with the hands on experience on 8 version.
- 14 years of relevant experience in J2EE
- Hands on React JS Web development
- Angular 2 development knowledge.
- NoSQL - Mongo DB data definition and application integration.
- Velocity Template Language.
- WebLogic server 10.2 expertise with multiple project version upgrade experience.
- EJB & MDB with queue, session and pooling.
- Conceptual knowledge on Android development.
- Struts 1.2 & 2 and interceptors.
- JBPM to develop the business control flows and state update.
- Hibernate 3 with annotation and integration with Spring.
- JAVA & J2EE design patterns.
- SOAP Web Service publishing & consuming.
- REST Web service publishing & consuming.
- Drools rule generation tools – IDE & Decision table.
- Eclipse RCP plugin development.
- XSD development and type generation knowledge on Castor & XML Beans.
- XSL development for the translation layers.
- JSON modelling, definitions and integrations.
- UNIX scripting on application integration on file transferring.
- Oracle PL SQL DDL & DML.
- SQL plus and loaders for the bulk uploading to the entities.
- Oracle DB procedures with XML parsers and functions.
- DB Query performance analysis and tuning with the query plan.
- ILOG – BRL & TRL and the deployment bundle to J2EE as EJB.
- Build tools: Ant, Maven & IVY

TECHNICAL SKILLS

Operating System	Microsoft Windows 2010 & Previous versions. Unix
Technologies	Java 8 J2EE Spring BOOT, IOC, AOP, REST, Cloud, DATA, HBM Template. Pivotal Cloud Foundry (PCF - Application building, deployment and migration). REST & SOAP Web Services EJB, MDB & JMS JBPM JSP, Velocity, JavaScript & JQuery Struts 1.2 & Struts 2 JSON, XSD, XSL and XML Hibernate 3 & HQL Drools Eclipse RCP Android ILOG Oracle PLSQL DML, DDL
Servers	PCF Cloud WebLogic 8.1 ,9.2 & 10.3 Tomcat 5 & 7 JBOSS EAP 6 JMS JTA

RDBMS	Oracle 9i,10g,11g, MS-SQL, MySQL, Mongo DB
Packages	MSOffice, TOAD, JDeveloper, Eclipse, Putty, NetBeans, STS & IntelliJ

Academic Profile

Qualification	Name of the Institute/Place	Year of passing	Percentage
M.C.A	BharathiDasan University, Tiruchirappalli, Tamilnadu.	April 2006	75 %
B.Sc. (Maths)	National College, Tiruchirappalli, Tamilnadu.	April 2000	72 %
P.U.C (+2)	E.R.hr.sec.school, Tiruchirappalli, Tamilnadu	APRIL 1998	54 %
S.S.L.C	E.R.hr.sec.school, Tiruchirappalli, Tamilnadu	April 1996	77 %

PROJECT SUMMARY

Product : Mandate
Team Size : 8
OS/Platform : Private Cloud - PCF
Software/
Technologies : PCF, Spring Boot, Spring Data, Sybase, MyBatis
Period : March 2018 – June 2019
Project Background
/ Role : Senior consultant on migrating the Sybase business logic to Micro Services and to PCF cloud environment.
Service and Data designing for the UI migration to new style guide.
Solution on determining the Data boundary and grouped them into the proper dependency chain to make the micro service compliance to disposability factor.
Drive to build a new age UI/Server platform on React JS by simplifying the complex / combined legacy UI and services.

Product : **GTRO (Get The Red Out) / JTTC (Journey To The Cloud)**
Team Size : 4
OS/Platform : Linux **/** Cloud
Software/
Technologies : PCF, Web Services, TIBCO Bus service, XSD, Spring, Hibernate, DRL & MDB
Period : March 2017 – Feb 2018
Project Background
/ Role : CenturyLink has a program named GTRO to pick the GOLD rated SLA application to move from the ECOM (WEBLOGIC platform) to Cloud (PCF). Rx has been a Gold from past 10 years, this has been a first pick to get RX application to be migrated to Cloud. Being a technical SME, I am chosen to form a team and plan that would not have an impact to the regular capital project deliverables through monthly releases. The legacy application has to be first scanned, identify the platform specific API dependencies, find an

proven alternate API, make the application code update that works against the regular and cloud API by plugin the spring container/beans, control via configuration to determine the platform, build additional deployment package in addition to the ECOM deployment that would follow the compliance for the CLOUD deployment guidelines, application push to development space and/or to Non production Cloud ORG. Determine the service dependencies such as JMS, JDBC, etc.. and make them loosely coupled by introducing the micro services for JMS integration and create the developer controller connection factory and inject them to the existing application by mean of the injecting the utility bean to the existing application spring context.

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Clients	**:**	Rx – Desktop, E2E inventory detail, RxLite & IVR

Product	**:**	**C2E (Billing Platform Migration)**
Team Size	**:**	6
OS	**:**	UNIX
Software/		Webservices, TIBCO Bus service, XSD, Spring, Hibernate, DRL & MDB
Technologies	**:**	
Period	**:**	April 2017 – Feb 2018
Project Background		
/ Role	**:**	Legacy billing systems of multiple vendors are getting merged and will be billed out of the new platform as per the latest telecom specification and standards. This has an impact to the RX application to recognize the critical business flow Customer / Product recognition. The migration would flow in the phases and the Rx is expected to recognize the customers and their products irrespective of they are still being billed from the legacy or from the new platform. Proposal design is to convert the current product recognition to the new framework that would make the recognition flow as an abstract with the specific implementation of the logic as per the billing platform. Challenges for the implementation is that all of the E2E systems are in parallel development but the deployment goal is to meet on the same time as they are. Design in such a way to get the service agreement from the downstream and make use of the simulation tool to build the new flow and possibly have the collection of the module / components in the framework as individual such that any ongoing and happening changes to the module / component to make the system testable and certified to quickly turn over to the consecutive environment.

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Clients	**:**	Rx – Desktop, E2E inventory detail, RxLite & IVR

Product	**:**	**InstaLink (Prepaid Platform)**
Team Size	**:**	6
OS	**:**	UNIX
Software/		Webservices, TIBCO Bus service, XSD, Spring, Hibernate, DRL & MDB
Technologies	**:**	
Period	**:**	Feb 2016 to May 2017.
Project Background		
/ Role	**:**	Systems that works are built to specifically handle the call for the postpaid. Prepaid feature is getting introduced and hence the customer availing the service to be recognized and the system to be capable to resolve their product issues over the IVR by all possible troubleshooting tool / API at RX to be materialized as the same as postpaid troubleshooting process. User stories to enhance the system to adapt the prepaid as the same as postpaid with no impact to the current business. Critical areas of the troubleshooting right from the customer recognition, health check and to the ticketing have to be converted to the abstract methodology that would work for the both flavors of Postpaid and Prepaid. It involved with the detailed design by identifying the independent components in the large size application and got them assigned to the core individual team and by having the continuous review and design develop process the core critical components are gradually migrated to the re-usual to get them implemented in a such a way the type of the customers (Prepaid vs PostPaid) determined over the call.

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Clients	:	Rx – Desktop, E2E inventory detail, RxLite & IVR

Product	:	**GreenField GPON**
Team Size	:	12
OS	:	UNIX
Software/		Webservices, TIBCO Bus service, XSD, Spring, Hibernate, DRL & MDB
Technologies	:	
Period	:	April 2015 to March 2016.
Project Background		
/ Role	:	GreenField GPON is an advanced inventory infrastructure model that is build with optical fiber to help the business to deliver the internet to the customers in Gigs. It is being the successful methodology that many customers can enjoy the faster internet with no hassle on the speed or data distortion. Repair domain has to aware the modeling of this networking including but not limited to the devices, network paths, network model and their relationships to help the customers over such networking model to troubleshoot their issues. Customers on the existing networking modeling (BrownField) should also be continued to support. Having the continuous discussions with the E2E systems, have done the design in such a way, the new flow of the GreenField customer recognition meeting the user acceptance criteria by making the existing flow as reusual component to get them extend to Brownfield and GreenField.

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Clients	:	Rx – Desktop, E2E inventory detail, RxLite & IVR

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Product	:	**NIC (Network Inventory Consolidation)**
Team Size	:	9
OS	:	UNIX
Software/		Webservices, TIBCO Bus service, XSD, Spring, Hibernate, DRL & MDB
Technologies	:	
Period	:	May 2014 to Mar 2015.
Job Role	:	Inventory details have been migrated from the legacy system to the new platform named ARM. The migration takes place through multiple phases and integration of the RX suites of applications has to be smoothly integrated in align to the NIC program plan and at the same time the regular capital projects / other programs should not be impacted. The legacy flow on the inventory is critical for the repair troubleshooting and have a complex logic that the migration by detailed studies would consume a huge effort as well as time to production will be longer. Proposed and implemented the designed to build the transformation layer that translates the new Inventory Mapping to the existing data structure that has been coupled in the business logic so that the assurance of the new platform mapping to the legacy data model makes a ease of integration with time to production faster and reduce a cost on the migration project to major extent.

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Clients	:	Rx – Desktop, E2E inventory detail, RxLite & IVR.

Product	:	Common Desktop R2.1
Team Size	:	14
OS	:	UNIX
Software/		Webservices, TIBCO Bus service, XSD, Spring, Hibernate, DRL & MDB
Technologies	:	
Period	:	Dec 2012 to May 2014.
Job Role	:	Developed the high level design on alone on all of the 19 AUCs and project planned of different project RXPS & RX consists of 3000 hours. With no KT, confidently took the leadership on this project and quickly grasped the architecture and adapted to the project.

Gentle & timely communication to the external systems (Ensemble & 1IP) and resolved the issue on the integration at the earlier stage.

XSD development to provide the interface for the upstream application and resolved their type generation on .net tool with inputs.

Assigned the tasks and enforced the usage of the design patterns on all of the AUCs.

Enforced the usage of the new tools for the status derivation and the narratives instead manual rules development.

Reviewed on each milestone on each AUC alone and kept the status on track and delivered on date.

Dedicated code review to get all of the code gets pass through satiny on all of the iteration released.

Log the review comments and re-reviewed the fixed comments before closing them on all of the phases.

Clients	:	Rx - Desktop & IVR.
Product	:	Common Desktop R2
Team Size	:	5
OS	:	UNIX
Software/ Technologies	:	RCP Models, Webservices, XSD, Hibernate & MDB
Period	:	Jul 2012 to Nov 2012.
Job Role	:	Owned the Ticketing module on integrating the FEC ticketing process of CTL into Qwest Rx Desktop.

RX integration with two more new systems TRACS and One Remedy through web services.

Designed the new approach of integrating multiple transactions of Customer Records and Tickets of OneRemedy on single client transaction through JBPM.

JMS Queues and the rules integration to the existing framework with no impact to the current LQ ticketing.

Involved in effective discussion with the proper analysis of the webservice issue against different approach JAX-WB to pinpoint the issue on external system and resolved the issue with the proper solution.

Clients	:	Rx - Desktop & IVR.
Product	:	HFE 2.0
Team Size	:	5
OS	:	UNIX
Software/ Technologies	:	Eclipse RCP, XSD, Drools IDE, EJB
Period	:	Mar 2012 to Jun 2012.
Job Role	:	Lead the July release on HFE2.0 on simplifying the questions through introducing rich UI events for reducing CHT.

Updated the framework request-response xml format through XSD changes for the new rich UI.

Converting the listed data to the event attached table form and notification on selected item to other view through observer.

Clients	:	HFE – Screeners.
Product	:	Android POC
Team Size	:	1
OS	:	Windows
Software/ Technologies	:	Android, Webservice, JSON, HTTP
Period	:	Jan 2012 to Feb 2012.
Job Role	:	POC on android to integrate the product recognition and the outages on the customer services through RxPS.

Defined the prototype on the UI and injected the Rich UI of Lists and the selections

Successfully integrated the service exposed through Webservice and the JSON response representing the response xml

Clients	:	Rx – Mobile

Product	:	Sales Comp Integration
Team Size	:	6
OS	:	UNIX
Software/		
Technologies	:	EJBs/Weblogic, JSP, JavaScript, Web services, XML Beans
Period	:	Apr 2011 to Dec 2011.
Job Role	:	Created all together a new UI platform that simplified the usage of the functionality by avoiding many clicks. This has also involved with exposing the new set of services that groups the complex business logic without impacting the running business.

Product	:	CEC Phase 3
Team Size	:	6
OS	:	Unix
Software/		
Technologies	:	EJBs/Weblogic, JSP, JavaScript, Web services, XML Beans
Period	:	Jun 2010 to Mar 2011.
Job Role	:	Designed and provided an API on the complex business logic in order to integrate the data importing mechanism from Sales Force Patform.

Product	:	QIC - Sales Compensation
Team Size	:	4
OS	:	UNIX
Software/		
Technologies	:	EJBs/Weblogic, MDB, JSP, JavaScript, Sqlloaders and DB procedures
Period	:	Jan 2008 to May 2010.
Job Role	:	Customized the parent child scheduler framework in order to build change of the jobs with the scenario taken care of restarting from the position it stopped/failed.

Product	:	VFO – UI Enhancement
Team Size	:	4
OS	:	Windows / Solaris
Software/		
Technologies	:	EJBs/Weblogic, JSP, Struts, JavaScript, Core Java, XSL and ORACLE
Period	:	Nov 2007 – Jan 2008
Job Role	:	Customizing the theme depends on the client template.

Product	:	VFO (Web Virtual Front Office)
Team Size	:	**1**
Name	:	Response data syncing with request.
OS	:	Windows / Solaris
Software/		
Technologies	:	EJBs/Weblogic, JSP, Struts, JavaScript, Core Java and ORACLE
Period	:	December 2007.
Job Role	:	Provided the best and cost saving approach on copying the required request parameter to the response at DB by means of XMLType features.

Product	:	VFO (Web Virtual Front Office)
Team Size	:	2
Name	:	Resolving "Out of Memory Issues" in VFO cluster environment.
OS	:	Windows / Solaris
Software/		
Technologies	:	EJBs/Weblogic, JSP, Struts, JavaScript, Core Java and ORACLE
Period	:	June 2007 to November 2007.
Job Role	:	Analyzed using JProbe tool with all possible of input factors such as load, scenario, peak timing etc.. and resolved through multiple actions such as Query tuning, Resource releasing when purpose completed, reusing of the heavy data via caching etc...

Product	:	VFO (Web Virtual Front Office)
Team Size	:	2
Name	:	Migration of VFO application from Weblogic 8.14 to 9.2.1.
OS	:	Windows / Solaris
Software/		
Technologies	:	EJBs/Weblogic, JSP, Struts, JavaScript, Core Java and ORACLE
Period	:	March 2007 to May 2007.
Job Role	:	Migrate deployment bundle compatible to Weblogic 9 which also involved in migrating the code base from Java 4 to 5.

Product	:	VFO (History API with Download feature)
Team Size	:	2
Name	:	Download XML and View Xml components.
OS	:	Windows / Solaris
Software/		
Technologies	:	EJBs/Weblogic, JSP, Struts, JavaScript, Core Java and ORACLE
Period	:	Jan 2007 to Feb 2007.
Job Role	:	Quickly learnt the Struts/JSP and developed the History list and detail page on the order transactions along with the download feature.

Product	:	BRMS – Adaptor Codes changes for two instance support. (ASR Receive Flow)
Team Size	:	2
OS	:	Windows / Solaris
Software	:	EJB/Weblogic, ORACLE
Period	:	June 2005 to July 2005.
Job Role	:	Developed the Adaptor Codes used between the WIG application and the BRMS application to behave as the remote call on the Brms Rule service session in order to validate request xml. Avoided complex and major code changes in the BRMS application to support dynamic error message generally generated from the database. Tools developed for the DB scripts generation for the product support. Developed xsl for the different error schema support for some specific trading partner key field with the development of EJB session bean to make the application to work on both customer and service provider instances.

Product	:	BRMS – (Validation Framework over ILOG)
Team Size	:	1
OS	:	Windows / Solaris
Software	:	EJB/Weblogic, ORACLE
Period	:	Feb 2005 to May 2005.
Job Role	:	Solely designed, developed and integrated to the ILOG complex rule engine in such a way the validation framework can be easily managed/maintained outside of the ruleset and updated without rebuilding when change required.

Products	:	BRMS – Backend core java and Technical Rule Development (Condor, LSR, ASR)
Team Size	:	10
OS	:	Windows / Solaris
Software	:	EJB/Weblogic, ORACLE
Period	:	June 2004 to Dec 2006.
Job Role	:	Design and Development of TRL in ILOG Repository.

Personal Details

- Date of Birth : 09/09/1980

- Married

- Indian, Hindu

- **Father's name**
  Mr. Thangeswaran Tavasimani

  Languages Known:
  English, Tamil & Kannada.

- **Permanent Resident Address:**
  Bangalore - 560024,
  Karnataka,
  India.

I affirm that the information given above is true and correct to the best of my knowledge and belief.

Jayachandran Thangeswaran