

SUMMARY:**2009-Till now**

Over a decade of experience in professional IT industry. Worked in multiple Insurance applications and products from a developer role till product owner. Proficient experience in north American insurance applications and systems. Great exposure with Rating algorithms and tools. Worked in all major technologies and languages. Vast experience in project management and managed innovation process and tools. Good knowledge in Data Science modeling, EDA and Data visualization concepts and tools.

Ten years of experience in interacting with North American Insurance clients. Developed global platforms for multiple insurance companies. Good experience in agile and scrum skills and process. High communication and interpersonal skills. Great exposure with research and publications. Prolific team player.

EDUCATION

Title of the Degree with Major	College/University	Year	Percentage
M.S. (Business Analytics & Data Science)	NJCU School of Business, Jersey City, New Jersey, USA.	2018	4
B.E. (Bachelor of Engineering-Mechanical)	MEPCO Schlenk Engineering College, Anna University, Chennai	2008	80%

WORK EXPERIENCE**Information Technology Solutions****Aug 2009 - present**

Project/ Client name	Designation	Work Location	Role	Duration
Insurance Client-1	Senior Product Specialist	New Jersey, USA	Senior Technical Consultant	3 years (June 2015 to till date)
Insurance Client -2	Associate	Chennai, India	Senior Developer	3.7 years (Nov 2011- May 2015)
Insurance Client-3	Programmer Analyst	Chennai, India	Production Support Team	2.3 years (Aug 2009-Oct 2011)

SIGNIFICANT PROJECTS DELIVERED

Client name	Description
Insurance Client-1	USA and Canada Rollouts – Entire Personal line insurance application has been migrated into Exigen products platform. I developed rating engine for both USA and Canada Personal line products.
Insurance Client -2	USA, Japan and EMEA Rollouts- Investments projections engine and reports has been newly developed and published. I developed a predictive analytical model engine to publish investments reports for clients.
Insurance Client-3	Agency Commission Exchange reports has been consolidated and configured in a single platform for west mid-west agents in USA.
Data Science Project	As part of my MS in Data science course I have done lot of machine learning and EDA projects over “Banking and Insurance” data sets.

CERTIFICATIONS

Certificate Name	Name of the Institution
Sun Certified Programmer for the Java 2 Platform SE 6.0	ORACLE
INS21 (Property and Liability Insurance)	AICPCU/IIA
INS22 (Personal Insurance)	Cognizant Certified Prof.
Exigen – Policy Core Testing	Cognizant Certified Prof.
SQL (ANSI)	Brain Bench assessments
ICBP (Innovation Capability Build Program)	Cognizant Certified Prof.

SOFTWARE SKILLS

Operating System	Windows and MAC OS
Programming Languages	Java, J2EE, JSP and HTML
Product Skills	Exigen and OpenL,
Data Science & Analytics Tools	R studio, Python, Rapid Miner, Tableau and VS code
Database & Development Tools	SQL Server 2008, Eclipse IDE, IBM RAD 7.0 and DB2.
Frameworks and Tools	Spring, MVC, WebSphere Application Server 6.1., Tomcat server 6.0, MS Visual Studio 6.0, Borland Star Team 8.0, SOAP, XML, Maven, Mercurial, SVN, Quality Center and Jira.
Other Software Tools	MS Office, Photoshop, iMovie, MATLAB, ANN, Gambit and Fluent

PRODUCT CONSULTANT-ROLES AND RESPONSIBILITIES:**June 2015-Till now**

I have been working as a Product Consultant in a challenging customer environment under tight schedule. I have been engaging myself with requirement gathering, system study, framework analysis, development, testing and deployment activities. The objective of the project was to develop a rating engine for HNW USA and Canada Personal line products. And giving support as per ongoing business changes every month. I have developed entire Rating Engine (OpenL) for all 13 Canadian provinces. And I have developed numerous enhancements and have given support for 50 states of HNW USA products in CIP application. This involved entire personal lines of business which includes Auto, Home, Excess Liability, Earthquake and Collections. I have been responsible for development, unit testing, functional testing, deployment and production support activities of all applications in accordance with the projects adopted standards, for integration into different systems. I have extensive knowledge in designing Rating Engine and understanding the behavior of the application during its execution with respect to technical as well as business. With extensive knowledge in Exigen, OpenL, Webstudio, SOAP, XML Java, J2EE, SQL and Maven, I have managed to deliver solutions for complex business problems. Over the years, I can confidently say that I have provided solutions for various business problems of multiple insurance clients in north America.

TEAM LEAD/ SR DEVELOPER-ROLES AND RESPONSIBILITIES:**Nov 2011-May 2015**

I played a key role in this project as a Senior Developer/ Team Leader. The objective of the project was to give prediction reports which helped the customers future investment directions. We developed an engine which collects historical data from different systems, process and predicts the future data through extrapolation techniques. This being a hit in the North American markets, we rolled out the same Predictive analytical model for Japan and EMEA market as well. This implementation of the predictive model in different geographies helped me to understand and appreciate the differences in insurance domain across geographies. I used Java Spring framework along with POI framework to develop the predictive engine. I have written all business logics in stored procedures and functions by using SQL. I had wide experience to work on SQL technology during this tenure. I also had experience to work on SSIS and Tivoli scheduler during this assignment.

DEVELOPER-ROLES AND RESPONSIBILITIES:**Aug 2009-Oct 2011**

As the business demands new technical adaptations every month for their changing business, I have delivered solutions that have made the business implementations in easier way through my expertise in J2EE and DB2 related technologies. The objective of the project was to give support for an Insurance Agency system. This was a production support team. I was part of 60-member team who gave support along with minor enhancements. I participated in requirement gathering and analysis of the specifications which helped me to understand in project planning. I was also responsible for end-to-end delivery/maintenance, Co-ordination the QC certification. I also took up complete responsibility of the development and testing of the Accounting module, which interacted with batch reports and many sub systems. I had opportunity to work with Agency Framework, Web Services and SQL during this tenure.

RESEARCH ASSISTANT-ROLES AND RESPONSIBILITIES:**Aug 2009-Oct 2011**

Under the leadership of an excellent professor, I researched the topic "Pressure Drop Characteristics of Water Flow through Static Annular and Triangular Cavity Labyrinth Seals" for more than a year. The objective of the research was to provide a better design which would give highest possible pressure drop in seals. This challenged me to find the right sized seal design from thousands of possibilities. To predict the closely accurate design, I created a "Predictive Analytical" model by using Artificial Neural Network (ANN). To confirm my prediction results, I created a prototype and experimented in IGCAR sponsored lab. To back my result, I did the same experiment through "Image Processing" technique by using MATLAB. This paper was published in an international journal "Engineering Applications of Computational Fluid Mechanics". This research experience helped me to understand the optimization techniques along with the descriptive and predictive analytical models in the field of engineering.

DATA SCIENCE STUDENT-ROLES AND RESPONSIBILITIES:**Aug 2009-Oct 2011**

As part of my MS in Data science course I have done lot of machine learning and EDA projects. I have done an extensive data analysis over a bank data set and applied multiple classification models over the data set. Through that I predicted whether customer will become a defaulter or not. And summarized that which model will be a better fit for this dataset based on the impact of multiple accuracy measures. Similarly, I have done an extensive data analysis over Insurance customers dataset to find a tailor made algorithm based on customer life style, health and habits. I did regression modeling to predict the relationship between customer life style and claims which helps me to create a tier logic for those customers to derive a tailor-made insurance premium calculation logic. I have used R studio, SQL, Rapid miner, Python and Tableau for this project.

PROJECT MANAGEMENT EXPERIENCE

Offshore Team Lead (2012-2015)	I managed ten-member team which included resource utilization (Billing, Allocation, Timing, and Auditing). And I played as an Offshore Delivery Coordinator for the same project around a year.
Onsite Coordinator (2015-2017)	I managed seven-member offshore team which included resource utilization (Billing, Allocation, Timing, and Auditing).
Product Owner (2017-till now)	I am managing entire application support which includes six-member onshore team and Eight-member offshore team which included resource utilization (Billing, Allocation, Timing, and Auditing).

RESEARCH AND PUBLICATIONS

Research Title	Journal/ Publication Name	Volume No	Role
Pressure Drop Characteristics of Water Flow through Static Annular and Triangular Cavity Labyrinth Seals	Engineering Applications of Computational Fluid Mechanics (Taylor & Francis)	Vol. 2, No. 4, pp. 482–495 (2008)	Co-Author

AWARDS AND RECOGNITIONS

Award Title	Category/ Description
Idea Champion in 2011, 2013 and 2015.	Best Innovation implemented in a project in any of the following areas (development/ process/ business/ solutions). This is a yearly organizational award for the whole organization.
Insurance Innovation Award 2016	Best process implemented in a project to provide real dollar benefits to a client. This is a yearly organizational award for the whole Insurance business unit.
Winner of JAM 2014	48 hours' marathon to find a solution for the given business problem. This is a yearly organizational award for the whole Insurance business unit.