**THIRU ARASAN DAYALAN**

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**Cloud Architect**

Senior Architect with 17 years’ experience primarily focusing architecting and building first-class solutions catering the variety of customer needs. Have expertise in working closely with business and end-users to clarify customer requirements, planning, and lead programs from inception to roll-out. Strong believer in nurturing team’s young members to become knowledgeable and self-reliant.

With the advent of cloud, refocused myself to help customers in their cloud journey. As my customers migrate to cloud and solve their business problems with cloud, I want to be there to show them the way.

**Achievements:**

* 2018 – Current: Architecting and Designing of Pet Insurance applications to migrate to Azure Cloud.
* 2008 – 2018: Lead Production Management team in Actuarial, Risk and Treasury Portfolio. Supported 60 applications running on Mainframe, .Net and Java Technologies. Gained extensive domain knowledge on customer payment platforms.
* 2005 – 2008: Onboarding of new line of business into customer’s check disbursement platform. Increased daily volume by 20K.

**Key Skills:** AWS | Azure | Microservices | DevOps | Machine Learning | System Design & Architecture

**Tools & Technologies:** Python | Node.js | SQL / NoSQL | AWS DevOps | Azure DevOps | Docker | Kubernetes | Domain Driven Design | Flask | Django | Fast API | UnitTest | PyTest | SQLAlchemy | PySpark | Express | Mocha | Chai | Jest | SuperTest | Sequelize | Mongoose | Git | BitBucket | Jenkins | Terraform | PCF | OpenShift | Istio | Serverless Framework | MongoDB | Postman | VIM | VSCode | HTML | CSS | Bootstrap

**Strengths:** Customer Focus | Avid Coder | Marathon Learner | Problem Solver | Challenger | Tools Creator

**PROFESSIONAL EXPERIENCE**

Sr. Architect, Cognizant India | Pet Insurance Chennai, India

2018 – Present

*Azure Cloud Migration for a Large US Insurance Provider. Applications are running in .NET Framework 4.8 in on-prem as well as in AWS Elastic Beanstalk. Migration of Lambda Functions to Azure Functions. Responsibilities includes preparing Request for Proposal, refine the target architecture, lead the cloud assessment program and execution of cloud migration strategy. Once migrated, this product is expected to bring in 5B in sales over next 5 years.*

* Design Claims Document Intake using Serverless Architecture
* Implement reading emails via Graph API, MMS via Twilio, Fax via OpenText, Push Notifications via Firebase.
* Set-up IBM Connect API Gateway in front of all System APIs
* Define Application alerts and monitoring set-up
* Create Azure Resource State Checker tool
* Designed application configuration DevOps pipeline
* Perfect CSAT (Customer Satisfaction) Score from Client

*Presented AWS / Azure Solution Architecture for below case studies to company leaders*

* VFX (Visual Effects) Studio in the Cloud
* Mobile Fantasy Gaming for real time play call

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* On-Demand Video Streaming Platform

*Proof-of-Concepts and Client Proposals*

* POC for Person Detection, Face Recognition and Person Tracking on CCTV recordings across client premises. This POC led to customer approving rolling out the solution to one of their office premises and building a new website for users to consume the data. Implemented HTTPS for the website using Client Certificate Authority.
* Architected and Designed a proof-of-concept prototype for “One Actuarial Model” to consolidate all Actuarial applications under a single umbrella. This solution would be a one-stop solution for all Actuarial needs and customizable business rules.
* Presented a Proactive Client Proposal to consolidate Production Management, Application Development and Quality Assurance teams spread across multiple vendors, to Cognizant thereby providing additional cost savings.

*Team Engagement and other Corporate activities*

* Build a website for team engagement activities during COVID
* Python & AWS Mentor for Enterprise Engineering
* Python & AWS Panelist during recruitment drives and lateral hiring
* Volunteered as AWS Cloud Mentor / Evangelist during enterprise-wide innovation challenges.

Project Lead, Cognizant USA | Actuarial, Risk & Treasury Greenville, SC

2008 – 2018

*Architecture and Design*

* A new application to act as a Middleware layer to interface with SWIFT network for disbursing Wire and ACH transfer. This application cut down the bank charges paid by customer up to 40%
* Four microservices for check inquiry, check replacement, customer bank account information inquiry and update which directly interfaces with Salesforce. These services were a small part in customer’s quest to consolidate systems that is used by Call Center.

*Production Management*

* Served as a Project Lead supporting close to 60 applications under Actuarial, Risk and Treasury portfolio. Role included performing Incident and Problem Management, Application Support & Maintenance and Business Continuity. This tenure allowed me to become a subject matter expert and provided exposure to working & coordinating with multiple geographically dispersed teams and business partners. Lead a team for 3 at Onshore and 30 at Offshore.
* Served as Project Lead for Tax Applications performing estimation, requirements gathering and designing solutions like Paid Medical Family Leave Act, feeding tax information to Data Lake for Call Center use.
* Migrating Treasury application from Microsoft .NET 2.0 to .NET 4.0 framework.

*Team Engagement and other Corporate activities*

* Numerous training and knowledge sharing sessions to new members to the team

**EDUCATIONAL BACKGROUND**

Bachelor of Engineering – Computer Science, Anna University, Chennai

**CERTIFICATIONS**

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| AWS Certified Solutions Architect – Professional | AWS Certified DevOps Engineer – Professional |
| Certified Kubernetes Application Developer | AWS Certified Solutions Architect – Associate |
| AWS Certified Developer – Associate | Microsoft Certified: Azure Developer Associate |
| Microsoft Certified: Azure Solutions Architect | Microsoft Certified: Azure DevOps Engineer |
| Cognizant Certified Python Developer | LOMA – Associate Customer Service |