

Professional full stack developer with more than 12+ years of experience in the software industry and its process involved in product development and testing.

I envision leveraging my proficiency in [.NET C# Core, AWS ,MS SQL,PostgreSql, NodeJs, React JS, Javascript,MVC,WebAPI,GraphQL,AI,LangFlow] to lead a team in crafting robust, user-friendly applications. My experience in SAAS domain has equipped me with a comprehensive understanding of the challenges and opportunities that arise in complex projects

Experience

SysCloud Pvt Ltd, Sr. Principal Engineer

Nov 2022 - Present, Hyderabad, India

Projects & Responsibilities:

- 1. DB Request & Revocation Automation** : Designed to Automate the DB access and revoke request. Automate the customer db read and write access for developer based on the Azure devops work item.By using lambda ,DynamoDB , Streams to automate the process
Responsibilities:
 - Worked as Individual Contributor, using multiple AWS technologies.
 - To achieve this, have used AWS Lambda-Node js,DynamoDB ,Dynamo Streams.
 - Responsible for Design and Develop the flows to automate.
- 2. Debugging Agent - AI - Langflow** : Working to Create Agentic flows for debugging agent for DAL[Data Access Layer] using Langflow
Responsibilities:
 - Worked as Individual Contributor, Building RAG and Agentic Flows using Langflow and using Multiple AWS resources.
 - To achieve this, have used AWS Lambda-Node js, AWS Step Function, Langflow , Nest JS - API.
 - Responsible for Design and Developing the Agentic flows.
 - Resolved the Human intervention to check the Production Errors 90% reduced by using Agents
 - Automated flow debug,Fix ,Deploy and Test all are automated using Agentic Flows.
- 3. Regression Framework** : Designed the way of running automated scripts daily to verify the production environment working as expected or not. By using this approach, we can proactively address any potential issues and maintain a stable production environment.
Responsibilities:
 - Leading team of 3 members. developed using multiple AWS technologies.
 - To achieve this, we used AWS S3, Event Bridge, lambda and ECS.
 - Responsible for Design the software high level and Explain the plan of execution to team members and resolving road blocks.
 - Responsible for quality assurance as per standards for accessibility and inclusivity. End-to-end planning for smooth development process.
- 4. Post Deployment Framework:** Project is designed to verify end 2 end. the deployed changes are working perfectly as expected or not. Using AWS code pipeline event trigger to lambda and it will

create ECS task and running the respective automated scripts to verify the changes working expected.

Responsibilities:

- Leading team of 3 members. developed using multiple AWS technologies.
- To achieve this, we used AWS S3, Event Bridge (Cloud watch Events) Rule, lambda and ECS.
- Responsible for Design the software high level and Explain the plan of execution to team members and resolving road blocks.

SysCloud Pvt Ltd, Principal Engineer

Sep 2019 – Nov 2022, Chennai, India

Projects & Responsibilities:

1. **Automation-cli** : command line interface software to create test configurations , read the configuration from s3 to preview ,download the configuration to local machine, spin up the docker process based on the command, extract the regression report from database as csv

Responsibilities:

- Leading team of 4 members. Developed POC using node js. mainly used npm prompt package and create-node-cli
- Responsible for design and execution

2. **Manipulate Library** : Project is designed for Populate the Massive amount of data in cloud like google,office365,salesforce,slack,hubspot it is used for populate data in the clouds for testing the functionality of SysCloud Backups

Responsibilities:

- Leading team of 4 members. Developed POC using node js
- Responsible for design and execution

3. **Automation Framework**: It is End 2 End test framework. It is developed by using Cypress, NodeJS It is used to ensure the Quality of the SysCloud Backup software. it is designed the way of config based approach the theme is single code to work for multiple clouds and services

Responsibilities:

- Leading team of 6 members. developed using Nodejs,Postgres SQL,AWS SDK,Cypress
- Responsible for Design the software high level and Explain the plan of execution to team members and resolving road blocks.
- Responsible for quality assurance as per standards for accessibility and inclusivity. End-to-end planning for smooth development process.

4. **Syscloud new generation**: Complete user interface,RDBMS revamp for Syscloud Backup Product Used latest technologies React Js, Apollo Client , GraphQL, Postgres, Material UI stack.

Responsibilities:

- Developed POC in react library using apollo client with GraphQL
- Contributed in Design discussion End-to-end planning for smooth development process.
- POC done in a framework which will give what need to be bind in User interface like a Skelton object

SysCloud Pvt Ltd, Lead Software Engineer

Aug 2017 – Sep 2019, Chennai, India

Projects & Responsibilities:

1. **Syscloud Encryption Product**: It is File and Folder encryption software. which is used to encrypt ,

decrypt , set password and remove password for google drive files

Responsibilities:

- I Worked Complete user interface using Angular Js, ASP. NET C#, SQL Server
 - Created SQL Procedures which is integrated web service API to perform various actions.
 - Created web API service for interact with Angular js and Data access layer
2. **Integration DAL and Secret Manager:** We have WCF Data layer project which is used Communicate to SQL and execute the Procedures and Queries., we have many database servers and the project need to connect the database based on the client input and execute for that we are storing all cred in AWS secret manager and redis cache. Based on the input from the client. we will get the connection string from API and execute the query or procedure accordingly

Responsibilities:

- I worked on implementing the SM flow in the project. It is developed using C# .NET Library, SQL,WCF
- Replacing the existing logic taking the connection string from local instead connect SM to get the connection string and connect the database so that we ensure scalability and low latency.

SysCloud Pvt Ltd, Senior Software Engineer

Sep 2014 – Aug 2017, Chennai, India

Projects & Responsibilities:

1. **SysCloud & Compliance Security Product :** It is responsible for Scan and Audit the files,Mails in the cloud Google and Office365., Based on the policy the software will scan and violate and user can Take action from the software like take control of the document and delete the file etc..

Responsibilities:

- Worked on the Complete interface and API for all the modules in this product alone with one more team member using Angular js, C# NET, SQL
 - Responsible for RDBMS design and writing Procedures and Functions for all actions and integrate in Angular js interface.
 - WEB API will communicate with User interface and SQL database.
 - Developed with team of 3 members.
2. **Backup Data Insights :** Project is used for detect malware in backup files based on the policies which is set up for the customers. Based on the policies BDI will scan and detect the malware and security checks and report to the Admin via Email as well in report management interface which is provided by Syscloud

Responsibilities:

- Responsible for RDBMS design and writing Procedures and Functions for all actions and integrate in Web API and interface used Angular js
 - Developed with team of 2 members
3. **Role Management:** the project is basically giving role access for the respective modules. Syscloud have a Product of Backup, Security and Encryption so based on roles we can access the respective Pages and Actions in respective modules

Responsibilities:

- Responsible for RDBMS design and writing Procedures and Functions for all actions and integrate in Web API and interface used Angular js
- End to end contribution towards this project. Individual contribution

SysCloud Pvt Ltd, Software Engineer

Aug 2013 – Sep 2014, Chennai, India

Projects & Responsibilities:

1. **SysCloud Backup Product:** Product is about Backup the Files, Mails, Calendar, Contact in Google and O365 Cloud and move the data in S3 and restore the data from s3 to original cloud location if data is lost in the cloud
2. **Responsibilities:**
 - Responsible for user interface development using JQuery ,ASP.Net,C#,SQL server
 - Responsible for creating procedures, functions create C# web service and integrate in user interface.

Aagna WebSoft Pvt Ltd,Junior Developer

Sep 2012 – Jul 2013

Projects & Responsibilities: Worked on website design and development in JQuery ,PHP,HTML,CSS

Trainings & Workshops:

Training helps me to do better architectural design, scaling, optimizations and provides better visibility to the system

1. Microsoft Azure Workshop, Bangalore - code with Microsoft developers to experiment with Service Bus and Process
2. React India 2019 Conference. – it helps to decide the new stacks for our revamp our interface

Technical Skills

Good Knowledge of : C# (.NET),.Net core Web API,MVC, JavaScript, React JS, Node js, Cypress, SQL, Postgresql and AWS Services, GIT, Docker

Worked earlier: Angular Js, ASP.NET, jQuery, HTML, CSS, WCF

Area of Interest

Web Development, Full Stack Development, Backend Development

Education

Bachelor of Engineering,
Computer Science,
Kathir College Of Engg,
March 2008 - June 2012
CGPA – 7.4

Hobby Projects

<https://trendsbuzz.co/>

the web application is basically tells what is trending in several social media apps like Google, Twitter, Wiki the project is fully developed in ReactJS and Hook Concept with local state management and geo location API.

Certification & Social Profiles

- Done Certification on Rich Internet Applications in CEGONSOFT at 2012
- Linked in : <https://www.linkedin.com/in/itsarun/>
- Profile : <https://arunk28.github.io/>
- Blog : <http://technoblazze.blogspot.com/>

