I have total 4 years experience. currently I am working in happiest minds technology pvt LTD. as senior software engineer. Happiest minds technology pvt.LTD . is a service based company. But I got opportunity to work with IP solution team which develops products.

Now I am going to explain my technical competency.

I am working here as a mean stack developer. I am working on angular.js, node.js, express.js, Typescript,ES6,DEVOPS ,CI & CD relational database postgresql , nosql database mongodb , IBM BLUEMIx cloud platform and microservice architecture ,aws,ec2,route53,redis,lru-cache,dynamodb. I developed single page application in angular.js with angular modules,service ,factory components. I developed backend Rest Api engine using Typescript and node.js with single threaded , async features, promise, callback, asyn/await ,middleware ,which is reliable, robust and loosely coupled.I did cluster implementation in node to increase request load.I did mongodb connection implementation using mongodb driver.I used multiple design patterns for implementation like -singleton,factory,prototype.I designed and developed database schema .I created table ,materialized view, trigger and function .I worked on performance tuning and data high availability at database end. I designed and developed schema and collection. I worked on performance tuning and high availability using indexing and replication. I worked on server deployment and monitoring on cloud platform bluemix.I implemented devops which helps the team for development and operational services. I implemented devops with continuous integration and continuous development using toolchain in bluemix cloud .I worked on redis in-memory nosql database to store cache data to increase performance of system. I worked on lru-cache which follows least recent used algorithm .I used this one for memory -cache .I also worked on nosql dynamo db .

**MongoDB** is a [free and open-source](https://en.wikipedia.org/wiki/Free_and_open-source_software) [cross-platform](https://en.wikipedia.org/wiki/Cross-platform) [document-oriented database](https://en.wikipedia.org/wiki/Document-oriented_database) program. Classified as a [NoSQL](https://en.wikipedia.org/wiki/NoSQL) database program, MongoDB uses [JSON](https://en.wikipedia.org/wiki/JSON)-like documents with schema. Mongodb is a document-oriented NoSQL database used for high volume data storage.

Amazon DynamoDB is a fully managed NoSQL database service that provides fast and predictable performance with seamless scalability. DynamoDB lets you offload the administrative burdens of operating and scaling a distributed database, so that you don't have to worry about hardware provisioning, setup and configuration, replication, software patching, or cluster scaling. Also, DynamoDB offers encryption at rest, which eliminates the operational burden and complexity involved in protecting sensitive data.

**Elasticsearch** is a [search engine](https://en.wikipedia.org/wiki/Search_engine_(computing)) based on [Lucene](https://en.wikipedia.org/wiki/Lucene). It provides a distributed, [multitenant](https://en.wikipedia.org/wiki/Multitenancy)-capable [full-text search](https://en.wikipedia.org/wiki/Full-text_search) engine with an [HTTP](https://en.wikipedia.org/wiki/HTTP) web interface and schema-free [JSON](https://en.wikipedia.org/wiki/JSON) documents. Elasticsearch can be used to search all kinds of documents. It provides scalable search, has near [real-time search](https://en.wikipedia.org/wiki/Real-time_search), and supports [multitenancy](https://en.wikipedia.org/wiki/Multitenancy).

Elasticsearch is an open source distributed, RESTful search and analytics engine capable of solving a growing number of use cases.

Amazon Route 53 is a highly available and scalable cloud [Domain Name System (DNS)](https://aws.amazon.com/route53/what-is-dns/) web service. It is designed to give developers and businesses an extremely reliable and cost effective way to route end users to Internet applications by translating names like www.example.com into the numeric IP addresses like 192.0.2.1 that computers use to connect to each other. Amazon Route 53 is fully compliant with IPv6 as well.

Amazon Route 53 effectively connects user requests to infrastructure running in AWS – such as Amazon EC2 instances, Elastic Load Balancing load balancers, or Amazon S3 buckets – and can also be used to route users to infrastructure outside of AWS

Jira:-

Svn,git

Webstorm,eclipse ,atom,visual studio,sublime ,notepad

Ssl confuguration

Now I am going to explain products:-

I am working on mcaas product. (Managed Content as a Service), a SaaS based digital content brokering platform which allows companies to deliver, manage and monetize their content like documents, social data, audio, video, images, etc. as per the user context. This allows smart, seamless and connected delivery of content flow for the enterprise, their end consumers, employees and business partners. mCaaS is offered as a Software as a Service (SaaS) based solution.

managed Content as a Service (mCaaSTM) is a pluggable, cloud powered Digital Content Broker Solution that seamlessly integrates with transactional systems and leverages any form of standard storage and middleware. **This solution empowers organizations to derive relevant information from enterprise content and digital assets in the most efficient manner by ingesting content into an AI powered engine.**The platform with cognitive and AI powered chatbot features uses deep learning mechanism to learn customer behaviour and become more intelligent on the go. Natural Language Processing (NLP) and fuzzy driven intelligent search and predictive features of the mCaaSTM platform make it desirable for businesses to drive their brand- customer engagement to the next level.

mCaaSTM helps our clients to:

* Digitize and enrich content in real time to enable effective monetization.
* Create a single source of truth by connecting multiple data sources to enhance efficiency.
* Transform a cost center to profit center by disrupting the traditional contact center processes.
* Deliver contextual and most relevant information in near real time.

**Low Cost Of Ownership**

* No HW/SW Investments or any Capex
* SaaS Model, Minimal Upfront Cost
* Consumption Based Model (Use and Pay) or Fixed Fees/month, still at the fraction of cost with respect to Brick-n-Mortar KM products
* Change Management can be bundled in, providing insulation to Huge Change costs.

Mcaas having DQA and Icm User story:-

DQA:-

Digital Query Assistant enables your customer or support associate to get the most relevant and contextualized content delivered at their fingertips through a self-learning (cognitive) platform. The solution allows you to find the most precise and contextual Answers from multiple sources and languages. Digital Query Assistant consolidates enterprises digital content into single source of truth and makes it available to agents and customers across web, mobile, and social channels

**Digital Query Assistant solution integrates self-service, associated service, and virtual agents with the traditional customer service channels to enhance interactions across disparate channels including mobile, the web, social media, and voice mail.** This AI powered self knowledge assembly system enables organizations to optimize customer interactions, increase satisfaction rate, reduce first call resolution time, and boost service productivity. Digital Query Assistant empowers organizations to:

* Create a unified self-assembling or self-learning platform/hub.
* Leverage customer data to deliver personalized/ contextualized knowledge.
* Simplify data gathering and derive actionable insights.
* Break the silos and generate a single version of truth.
* Better understand customer sentiments and requirements.
* Enable augmented search with personalization, relevance and contextual content.

The DQA solution can be integrated with any internal or external application like CRM, ERP, PLM, ticketing system, and call center or service center software, delivering the key business KPIs. The proprietary deep learning framework delivers most relevant and contextualized content to customers whenever they interact with this system.

Use cases for DQA:-

* Banking Sales or Service Digital Assistant
* Super-Agent or a Call Center Virtual Assistant

ICM:--

Innovative Content Monetization solution helps organizations to gather information on data flow volumes, derive intelligent customer insights to drive content recommendations, and enable guided sales based on current market demands. Powered by mCaaSTM, this solution tracks and tags data flowing in and out of multichannel sources within an organization such as web portals, socials networks, and cloud applications and helps in orchestrating the content. Innovative Content Monetization solution.

Offered as a SaaS, Innovative Content Monetization solution allows organizations to get started in literally

no time and without any major changes to the existing infrastructure & systems.

Coming to my roles and responsibilities:-

* Involved in concept to prototyping SaaS based Multi-tenant Multi-Region Digital Platform development.
* Design,develop, Coding,Deployment ,discover and delivery ,Implementation of Micro Service based loosely coupled API architecture.
* Integration of multichannel sources within an enterprise such as web portals, Third Party API and cloud applications and in implementation of CI &CD and deployment process.
* Designed and Developed Backend Architecture in order to build the application for module like **Login**, **Customer on Boarding**, **Ingestion,Trainnig,Cache,Broker,Dashboards, Rest APIS**.
* Involved in analyzing and Understanding the business requirements,debugging,testing,troubleshooting throughout the application development process.
* Analyzing and modify current system to work efficiently.
* Prepare test cases, plans and training modules.
* Maintain the system after delivery products.
* Involved in document and demonstrate solutions by developing documentation,flowcharts,code comments and code clean.