



SREEJITH KUMAR M

Full Stack Lead: C# / .net Core / .net MVC - Angular/React/Javascript - Azure

PROFILE

- **8+** Years of experience in development of large-scale enterprise systems primarily for transportation and Industrial automation.
- Experienced in Project management and Managing team from project inception to delivery.
- Software design, elicitation of requirement, effort estimation and documentation as per J-STD-16.
- Expertise .net MVC .net Core Front end and back-end development using Visual Studio and VS Code
- Experienced in leading project from inception to delivery and support, handling clients from UK, Netherlands and India. Providing support and assistance in all stages of software development.
- Experienced in Agile development methodology, delivering allocations on time with maintainable and reusable code with at least 25% or more code coverage.
- Good understanding of Web Services and Protocols such as REST, SOAP, WebRTC and API design.
- Machine learning and data-science application development hands on using TensorFlow API experience.

SKILLS

Extensive Experience	C#, .Net MVC, .net core 3.1, JavaScript and TypeScript, REST API, Angular
Hands on Experience	Bootstrap 4, WCF, Python, Core Java, .net-SignalR, React
Database	Oracle 11g, MySQL 5, Postgres, MS-SQL, MongoDB & Azure Cosmos,
Messaging Libraries	AMQP 1.0 using RabbitMQ, Azure EventHub and ActiveMQ
IDEs	Visual Studio 2012, 2019. Oracle SQL Developer, MySQL Workbench, VS-Code
SCM	Git, SVN
Dev ops tool	Azure-Devops, Docker and Kubernetes, Jenkins, JIRA,
Data Science & ML	Tensor flow API (Hands On)
Web Frameworks	React, Angular, NextJS

WORK EXPERIENCE

Technical Lead Full Stack @ HCL Technologies-Bengaluru

Nov 2020 – To date

- I am currently assigned to project at client location with ABB India Bengaluru.
- I am into full stack development of a microservice apps within a suite of web-based applications called GENIX.
- Attending daily scrum meetings, taking note of design decisions and performing development of assigned tasks.
- Angular front-end development with angular and .net core 3.1 backend api development.
- Creation and maintaining of CICD Pipelines in Azure for On-Prem and Multi-Tenant deployments.
- Creation and maintaining of Kubernetes Configuration scripts and applying them on Kube clusters.
- Analyzing code smells using Sonar qube and fixing major and critical smells.
- Documenting different stages of API development, mentoring junior team members.
- Secret and environment variable based configuration for Hybrid (MT & On-Prem) deployments.
- Mongo DB & Cosmos DB based multi - tenant service layer implementation.
- Dashboard with High charts, PDF, Docx and Excel report generation using open-source library packages.

Project Lead @ Intellizenz Innovations Breakthroughz Pvt. Ltd - Technopark Trivandrum

Oct 2013 – Oct 2020 – 7 Year's and 1 Month.

- Leading Project (OPV & DRIS Upgrade) from Proof of concept to Production. Exited as Project Lead.
- Object Oriented Design and development of web and windows service applications in C#, Python and Core java.
- Database migration for spatial data from old Navteq data to latest Navteq.

- Building and learning SPA's, PWA's and web app's using latest web technologies like Angular, React, NexJs
- CI/CD Experience in Azure devops, Jenkins, Gitlab. Experienced in Azure, Docker's and Kubernetes Cluster.
- Debug root cause for defects, fix defects and provide impact on fixes done, change realization approach

CONTACT

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SOCIAL PROFILES :

Hackerrank:

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Github:

<https://github.com/hardsree123>

Linkedin:

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LANGUAGES KNOWN :

ENGLISH, HINDI, MALAYALAM

DOB: 15-Mar-1990

PERSONAL SKILLS:

- Ability to work independently with minimum guidance
- Good communication skill and agile personality to communicate with customer and other development team members
- Leadership quality, Team player, self-motivated, organized and Positive can-do attitude, street smartness.
- Analytical and problem-solving skills.

- Cleansing of map, road, structure and vehicle data received under STP Project.
- Database optimization for enhanced performance and throughput.
- Creation and optimization of stored procedures, function and packages.
- Leading team technically during sprints and handling managerial tasks during FAT and SAT.
- Assisted in the evaluation, design, re-design of solutions/architecture.
- Carrying out feasibility study for change request realization, implementing multiple proof of concepts for customers.
- Project management using teamforge and redmine.
- Customer interactions (UK and Netherland Clients), weekly and daily project updates, sharing meeting minutes and taking stock of priorities and assigning resources
- Hands on experience with microsoft azure devops for project.
- Extensive development experience Oracle 11g PISQL programming, PostgreSQL and MySQL databases.
- Business layer development using Entity framework and leading application development in C#, Java, Javascript, .net MVC.

EDUCATION

Indian Institute of Information Technology and Management - Kerala

2011 - 2013

- Secured MSc in Computational Science under CUSAT University with **8.56** CGPA.
- Project Intern at Grid Application Research Lab at SERC (Currently MARS LAB, CDS), IISc Bangalore
- Attended National and international conferences @ IIITM-K Trivandrum.

Kannur University

2008 – 2011

- Secured BSc in Computer Science with **3.11 / 4** CGPA
- Created PHP based web portal for Crime reporting.

12th STD CBSE India

- Passed from Army School Cannanore (CBSE) in 2008 with **70.4%** marks
- Participated in several district and national level quiz competitions representing Army School Cannanore during 2006 – 2008.

10th STD CBSE India

- Passed from Army School Cannanore (CBSE) in 2006 with **76.2%** mark

MAJOR PROJECTS

GENIX – HYBRID INDUSTRIAL AUTOMATION SUITE: 2020 – To date

I am assigned as one of the lead full stack developers in a Web application based on microservice architecture for managing and recording the industrial asset life for ABB India Bangalore. I am into developing multiple enterprise, industrial and customer facing dashboards providing Realtime insights into industrial assets lifecycle. The application has feature to record asset life using customizable form templates. Get insights using graphs, charts and industrial risk matrices. Integration with backend analytics and prediction services. Integrating AIML Model analysis and Implementing Diagnostic, performance and rule based KPI flow with scheduled calculation for better event-based analysis.

Optimized Pickup Values for Container Waste Management: 2018-2020

I was assigned to lead the project from inception to production release phase. The project involves multiple services working as a single module. Web API to handle incoming GET and POST requests for data. GET and POST requests for data. All services intercommunicate via AMQP (RabbitMQ). Distance and travel time calculated by the route planner involving Dijkstras algorithm with several factors inplace. The calculated distance and travel time OD Matrix is fed to a route optimizer library that generates an optimized list of pickup sequence for the waste locations.

E-INK Bus stop displays: 2017-2020

The project involved upgrading the DRIS modules configured for Bus stops to handle the newly incorporated E-Ink displays. The display receives png image and stores it in its memory and displays the same during the configured time period. The display communicates with the C# based application over GPRS.

DRIS: 2016 - 2020

DRIS is a dynamic bus station project that handles platform reservations and allocation to incoming buses in real time. Different modules of dris communicate over TCP/IP. The allocation of platforms to buses are shown on displays as information to passengers. The allocation algorithm takes into account all future incoming buses, inaccessible platforms, occupied platforms and so on. This project was customized and upgraded as per bus station layouts and municipality requirements.

Road Restriction Generator

Existing route planner was upgraded to obey divider restrictions for right side driving. The upgrade involved adding additional restriction information to the binary input file. This was calculated based on the navteq streets divider classification. The method involved identifying navigable left turns from a divider road using mathematical calculations. The left turns that aren't navigable were marked as restrictions in the binary input file

Mail / SOAP XML Based Special transport planner

Mail Based special transport planner is a multi-threaded windows service that is configured with Imap and SMTP settings. It downloads movement requests received from users who share the filled in movement form via mail, this is processed and a response with a future reference is shared with the user. In addition the planner does document validations to provide valid response to the user for rejecting his movement request. The moderator on the other end receives the movement request he is greeted with the general details relevant for him to accept or reject the movement, he can edit and replan the movement's traversing route using the open-layers based map ui. SOAP Xml based special transport planner is a WCF application built using the same library but handles the movement requests via SOAP UI, the request is sent as a xml request which is processed and validated by the SOAP Xml receiver.

Special Transport Planner : 2013 - 2020

STP is an enterprise product that simplifies the process of notifying abnormal load movements. Legislation requires that vehicles and load movements that exceed standard dimensions need to be pre-notified to police, highway and bridge authorities. Advance route planning is a major functionality that helps the haulier users to plan the routes through which their movements have to go. Worked on multiple submodules and lead technically challenging feature upgrades to the product over my tenure with Intellizenz. The product involves detailed route planning module, which takes advanced proprietary route planning involving restriction exclusion, roadworks based on the real time data uploaded and provided by product owners. The product was customized as per customer requirements for their on-prem environments. The application does heavy lifting and automation of transport planning and notifications.