**Trilok Kumar**

*Project Manager- Software Development*

[*Ktrilokd26@gmail.com*](mailto:Ktrilokd26@gmail.com)

*+91-8287269390*

# Summary

* *A problem solver, multi stack developer with experience of more than 9+ years in problem solving, research and development and proven track record of delivering in multiple technology and business domains.*
* *Currently working as a Project Manager cum Lead Senior Developer managing and actively involve in development of multiple projects in*
  + *Microservice Based IOT application development including looking CNCF different project Integration in application stack.*
  + *including managing the projects in Automation using python etc.*
* *In Past Delivered work in multiple tech stack [Front-End, Back-End, Dev-Ops, Cloud] in the domain of IOT, Payment &Banking, Health, Insurance, Custom-ERP*
* *Involve in architecting and development of more than 20+ Projects from scratch. Lead Developer in more than 40+ projects, so far and list goes on.*

# Education

*G.B. Pant Govt. Engineering College, Bachelor of Computer Science, 2010-2014*

# Experience

Project Manager- *Software Development*

***Wind Moeller & Hoelscher India | 02/2023 – Present | Delhi, India***

***Roles & Responsibilities***

* *Expectation management and Active collaboration with different product owners of different project, Task planning and overall project execution planning, resource handling and development using agile methodologies.*
* *Managing multiple development team of Different Departments, where projects are mainly in the domain of Microservice based IOT applications, Remote Access Solutions for Machines and Automation projects.*

***Key Problem Solved/Milestones***

***Team expansion and improve the productivity by 100% including 1/3rd cost reduction in terms of resourcing.***

***Application performance improvement by more than 5X.***

***Automation of Manual Process.***

*There are 4000 machines for which department need to perform operations on multiple applications like Excel, WebApp, SAP, Window application etc. Average 10-15 machine can be done manually in a day, which is time consuming process. To solve this automation of excel and browser done using python and Automation of SAP done using scripting.*

*Senior Software Engineer-R&D*

***wind Moeller & Hoelscher India | 12/2019 – 01/2023 | Delhi, India***

***Roles & Responsibilities***

*Worked on multiple technology stack tools and languages including Back-End, Front-End, Dev-Ops etc. on multiple projects.*

* *Lead Developer of EFTA awarded Software System. Involve in managing and active research & development of this project. This is a quality inspection system showing different quality indicators on current and past produced jobs on the machine.*
* *The system is based on Microservice architecture with multiple services responsible for handling communication with machine, Database, Queuing Service and Front-End applications.*

***Key Problem Solved/Milestones***

* *As different reporting tools available in market, they have there own learning curve. As requirement is to build customizable dynamic report which is used in different department application. I research out the way of generating report using puppeteer, Angular and .net core. This app can attach to any application which needs reporting using Signal-R, Uses the rabbit MQ for request processing.*
* *The digital product we work is an enterprise level IOT application, which have different application for department machines. Work on the licensing mechanism of this different applications. We don’t use any third-party tools here.*
* *Research on prevention of reverse engineering of code and protection of patented application code. Perform different level of obfuscation and prepare POC application.*
* *Solve the issue of cloud vendor lock-in by researching out the strategy build the IOT application to cloud agnostic, so that it works in all region of the world.*
* *Implement the queuing mechanism as one of communication channel among different microservices. Fix memory leaks and increase the payload capacity to transfer large data.*

***Senior Software Engineer***

***Chetu Inc. | 01/2018-11/2019 | NOIDA, India***

***Roles & Responsibilities***

*Worked here as Lead Developer, Senior developer on multiple projects in multiple domains of Payments, ERP, Insurance. Company is a service-based company providing software solutions primarily to U.S. markets.*

* *Worked as a lead developer on a Payment project of US based leading payment solution provider on there multiple products including Payment Gateway, Merchant Portals, Chargeback Management System and interface development and communication with different payment processor providers.*
* *Worked on the project of aviation insurance start-up as Lead developer, develop the solution using React, AWS-Lambda, DynamoDB, Route53, .Net Core, API gateway, Auth0 as single sign on.*
* *Worked and lead the team of three developer for a ERP platform implementation for a travel agency based in US as client is authorized travel agent and cargo shipment for CUBA. We need to create a portal for cargo tracking, Passport tracking, VISA status tracking, Photo Booth* o *Implement the Passport, VISA, and Cargo tracking portal.*
* *Implement the Barcode generation, and its tracking implementation.*

o *Integration with Android Phone. Customer can see the status of their Passport/VISA/Cargo through APP.*

* *Work on the fleet tracking project, here work on the migration of SQL Server from BareMetal to AWS Cloud. Integration and implementation of AWS SQS with API gateway and Lambda Function.*

***Key Problem Solved/Milestone***

* *Handle and manage the entire communication on Payment projects from Indian Team (6 dev, 4 QA) and deliver the quality development without any major issue. The Payment Project is awarded the Quarter Best Project from 400+ running project of company.*
* *ERP Project awarded the project with best coding standards, architecture, and documentation process.*

***Software Engineer***

***AtDrive Inc. | 02/2016-12/2017 | NOIDA, India***

***Roles & Responsibilities***

*A Software service startup Company. Work here on almost all web development framework including PHP, .Net Web Forms, Java Server Pages, Work on the windows projects as well as word press projects also.*

* *Work on the health industry projects here. Lead the development and develop lot of projects from the scratch here.*
* *Develop a complete patient and doctor management portal with HIPPA compliance.*
* *Develop multiple portals for mental health, patient progress tracking etc.*
* *Lead the development of a application similar to Facebook for African customer. Work on Graph algorithms.*
* *Work on the window application development using WPF, PRISM and WCF.*
* *Work on WordPress projects also and handle the communication with customers.*
* *Work on the programing of different animation like Parallax effect etc. using CSS and Three.Js.*

***Associate Software Engineer***

***Center for Development of Telematics. | 08/2014-01/2016 | Delhi, India***

*It’s a government of India, R&D organization. Building state of the art networking devices and research. Started my career here as trainee engineer.*

*Learnt the fundamentals of networking and Linux. Part of Tera-Bit Router Development team, I learnt holistically about the Different layers of networking, starting from physical layer till IP layer.*

* *Learnt the Linux system fundamentals and Kernel Programming and management of network ports. Work extensively on configuration of daemon process, process management and memory management and tracking and removal of zombie processes.*
* *Learnt the python and use it for writing the build script to test different network topology like VLAN etc. I also read several RFC documents for IPv4 as well as IPV6 and make the topologies on the routers for the testing and use different tools like Spirent test center and Wire-Shark.*