KTS INFOTECH PVT. LTD.
Kottayam, Kerala, India
info@ktsinfotech.com
+91-90201-55895
http://www.ktsinfotech.com

LAKSHMI V

Software Engineer

SUMMARY

Full-Stack developer with 3 years of experience with focus on software product design, development and deployment. Worked with technologies and tools like C++, C#. .NET, ASP.NET, ASP.NET Core, MVC, Qt-C++, MS Access, Xamarin, Android, Python, MySQL, Bootstrap,SignalR,FFmpeg,PowerShell,PlatformIO,Arduino,SignalR,HTML,CSS,ESP32, STM32.

Key domains: Desktop Application development, Web App development, Mobile App development

KEY PROJECTS

Time Tracker Chat: To develop a chat application in our existing Webcloud Time tracker providing both support chat and Normal Users Chat in QTC++ .

Tools and Technologies: QTC++ | SignalR

Client: KTS Infotech.

WebBrowser

Description: This is a Chromium based web browser project created in QT C++ with functionalities like tabbed and multiple window browsing, user login with cloud backend, Synchronizing bookmarks with cloud ,manage bookmark in cloud, desktop support for Windows/Mac/Linux ,Android and IOS Mobile Support and developer console.

Tools and Technologies: Qt Creator,QML,SignalR,.NET Core,Android,iOS,Microsoft Windows

Client: KTS Infotech.

DirectX Video Streaming

Description: Video Streaming Project working on DirectX Technology.

Tools and Technologies: Git, .NET Framework, FFmpeg, C#

Client: US Customer.

Infomate CMS Mobile App

Description:KTS InfoMate CMS is a cost effective Digital Signage software Technology that can deliver media rich contents/messages at the right place and at the right time and can be controlled from the comfort of your Laptop, PC or even from our Smart Phone. I have developed the Mobile App for Infomate CMS.

Tools and Technologies: Xamarin, Mobile App

Client: KTS Infotech.

Mobile App for KTS WebCloud

Description: I have been developing a Mobile App for KTS WebCloud which will deals with Time Tracking, ECommerce ,Online Exam etc. KTS WebCloud is an Online Software Technology solution to arrange and access organizations important information from one place using cloud based software technology infrastructure. This software infrastructure allows any organization to build their own private online storage infrastructure and other modules like TimeTracking | Defect tracking | Online Exam| HR | Payroll , CMS | Blog | Forums | News | Articles Online Polls | Dynamic feedback Forms| SEO | ECommerce etc.

Tools and Technologies: Xamarin

Client: KTS Infotech.

Haptics

Description: This project deals with the development of SDK for Haptic Device that can be driven through compatible boards like ESP32 | ESP32D | Esp32 Pico Mini | STM32 etc. Project Involves the development of several SDK modules including 1. Development of Core Microcontroller Haptics SDK Framework in C++ 2. Development of Embedded Sample Application to demonstrate the various features of the Haptic Device 3. Test

Application in C++ | VC++ | C# | Python to Drive the Board from Desktop Tools and Technologies : C++ | VC++ | C#.NET | Python | Microcontroller | ESP32 | STM32 | ESP32 Pico Mini | Platform IO | Arduino IDE | VS Code | Virtual COM Port.

Tools and Technologies: C++ | VC++ | C#.NET | Python | Microcontroller | ESP32 | STM32 | ESP32 Pico Mini | Platform IO | Arduino IDE | VS Code | Virtual COM Port

Client: Canada Customer Specialized in Haptics Technology

EurekaSim

Description: EurekaSim is an Extendable All In One Multi-Physics Software Simulation Platform for Research Experiments and Scientific Simulation. It is a Cost Effective Software Simulation Platform to simulate Novel device and Simulation Experiments for Students | Teachers | Researchers | Scientists | Engineers | Game Developers for doing various tasks including Simulation , Experimental Demonstration , Developing Complex Animations etc.

http://www.eurekasim.com/

Tools and Technologies: Visual C++ | C#.NET | Python | COM

Client: KTS Infotech.

Roles & Responsibilities: Development of the Plugin UI as per Spec, Coding, Installation setup, Testing, Final Integration.

Web Cloud API Development

Description: Developing an API for existing Web cloud, and concurrently develop a test application for the same. Following are some features of API.

- User can upload and download files to Cloud.
- Saving application data and retrieving it.
- Can create user accounts.
- Can delete accounts.
- Message chat and voice chat.

Tools and Technologies: C#, VC++ , Qt-C++, ASP.NET , WebAPI , MS-ACCESS, HTML, Bootstrap

Client: KTS Infotech, Pala, India.

Roles & Responsibilities: Development of the WebCloud API Sample Application modules in Visual C++ and QT C++, Testing.

Project Framework

Description: The Aim of the project was to develop a Template App that can be used as a starting point in Any Xamarin | Web-API | ASP.NET based Projects. The Template app contains all the necessary modules like BLL, Database Middleware Module, Xamarin Base App, ASP.NET | MVC | ASP.NET Core and Web-API modules which can be further extended based on the requirement of the Customer. The Template App is compatible with MS Access | SQL Server | My SQL Database Backends.

Key Responsibilities:

- Involved in the Testing of framework.
- Development of mobile app and web backend based on the project framework for new Use cases.
- Testing of the entire system.

Tools and Technologies: .NET, C#, ASP.NET | .NET Core, Xamarin, CSS, MS Access

Client: KTS Infotech, Pala, India.

Tic-Tac-Toe Game Development

Description: Developed a tic-tac-toe game with following features.

- User can play with computer.
- User can play with another user through online.

Tools and Technologies:Qt-C++

Client: KTS InfoTech

PCUtilityManager

Description: Access the frequently used utilities like Notepad, MS Paint etc from your desktop context menu. Schedule your day-to-day task with optional task reminder after the due date. See who is accessing your shared files and folders with optional security alerting mechanisms like beep alert and window popups. Browse the internet securely with a built-in light-weight browser specially designed to block almost all internet-based viruses. Access the predefined frequently used Internet sites from your desktop context menu Configure and access the frequently used application and Internet sites based on your needs from your desktop context menu. Backup your important files and folders using our special module Mr. Backup

More details: http://pcutilitymanager.ktsinfotech.com/

Tools and Technologies: MFC, C++, C#.NET | ASP.NET | WebAPI

Client: KTS Infotech, Pala, India.

Cloud upload and download plugin

Description: Develop a Plugin for MS Word application that can Upload and Download files from Web Cloud Backend. More details: http://www.ktswebcloud.com

Tools and Technologies: MFC, C#, .NET

Client: KTS Infotech, Pala, India.

Digital Notice Board [Infomate]

Description: This is a digital display system used in public places like malls, shops and hospitals. This has lot of features like token control system, flash new updating, transferring data to the players when available online. From this web control panel user can change the content of display in monitor or monitors

Key Responsibilities:

- Involved in the Testing of various Modules.
- Involved in Testing of Digital Signage Player in Windows and Android using Emulator | Virtual Box.

More details: http://www.ktsinfomate.com

Tools and Technologies: ASP.NET, C# .NET, VC++, Bootstrap, MS Access

Client: KTS Infotech, Pala, India.

Salesmate +: Point of Sales Software

Description: A general-purpose point of sales software, used for managing activities of any shops. The product was popular for its simplicity in its user interface and uses minimum accounting jargon so that even an average user can understand its operations within hours. The product is now in its 10th year and is the first GST Billing and Sales Software in India with Plug-in Technology Support.

More details: http://www.salesmateplus.com

Tools and Technologies: VC++, ASP.NET, C# .NET

Client: KTS Infotech, Pala, India.

QUALIFICATION

BTECH Electronics and Communication Engineering.
MEA Engineering College ,Calicut University, Perinthalmanna -Kerala.