

Hrushikesh Vetagiri

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Career objective

Skilled in building Web and Mobile applications with a focus on user experience. Experienced in Agile methodologies and collaborating with cross-functional teams. Seeking a challenging role to leverage my skills and drive innovation.

Professional Summary

- With over 4 years of experience in IT Software Engineering, I have specialized in developing Hybrid applications, TCP protocol development, and porting applications between Windows and Linux platforms.
- Proficient in developing and implementing system calls for both Windows and Linux operating systems.
- Skilled in creating .NET Desktop applications using C#.NET Forms and DLL.
- Strong background in Full Stack development, including design and implementation
- Deep understanding of database modeling and proficient in developing complex stored procedures, functions, and triggers in SQL environments.
- Experienced in developing multimedia applications for both iOS and Android platforms.
- Capable of developing and adhering to project with strict timelines.
- Skilled in comprehending, documenting, and analyzing complex enterprise-specific business rules.
- Able to meet deadlines and perform effectively under pressure.
- Hands on experience in IBM Cloud and DevOps and certified engineer.

Technical Skills

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| Languages | C, C++, Java, C#.NET Forms |
| Web tools/ Scripting tools | Python, HTML5, CSS3, JavaScript, MVC, Node.js, Express.js, Angular, React.js, React Native, Cordova, |
| Database | MySQL Server |
| Cloud/Mobile | DevOps, IBM Cloud, Full-stack technologies |
| OS/HW | Windows , Ubuntu, Linux, Mac, Raspberry PI 3 |

Education:

- B.Tech (Computer Science and Engineering) from IIT, Jammu.

Professional Experience

Senior Software Developer at Maigha Media Private Limited, India. June 2021 to Till Date

Project : **Interactive Broadcasting Mobile Application**

Environment : **Android Studio, iOS, FFMPeg lib, Cordova, Nodejs, ReactJS**

Maigha Inc is a Software development, IT solutions and IoT product development Company.

Project: Aquaponics Management System (AMS)

Responsibilities:

- Implemented Raspberry PI3 to receive sensor data and transmit it to Node.js server using TCP protocol.
- Stored the received data in MySQL database for further analysis and processing.
- Participated in all layers of development, including GUI design and database object creation.
- Designed and developed the database schema, including procedures and functions.
- Developed REST services to facilitate communication between the mobile application and the data access layer.
- Customized the Asp.Net Membership provider class for authentication and authorization process
- Conducted unit testing, performance testing, and load testing using Visual Studio templates.
- Developed TCP protocol implementation for efficient data transmission
- Currently working on Proof of Concept for a Full Stack Serial Port Communication Interface for Raspberry PI.
- Developed unit test cases to ensure the reliability and compatibility of the ported code.
- Successfully ported the Windows C++ code to Linux and conducted thorough testing on Linux systems.
- Collaborated with the team to troubleshoot and resolve any compatibility issues that arose during the porting process.

Project: Legacy Windows Application retrofit to mobile POC

Responsibilities:

- Developed a POC for PTU, focusing on creating a mobile interface for Android and iOS platforms.
- Contributed to writing business and technical requirements specifications, analysis, and design documentation.
- Played an active role in designing the user interface (UI) to ensure a seamless and intuitive user experience.

Project: Mobile Media App

Responsibilities:

- Implemented the functionality to convert MP4 audio files to MP3 format and vice versa.
- Developed and designed the user interface (UI) for a seamless user experience.
- Collaborated with the team to design UI forms using HTML and CSS styles.

- Conducted unit testing to ensure the accuracy and reliability of the audio conversion functionality.

Software Developer at Yaksee Inc. From March 2019 to May 2021

Project : **Interactive Broadcasting Mobile Application**

Environment : **Android Studio, iOS, FFmpeg lib, Cordova, Nodejs, ReactJS**

Description : This project involved the development of an interactive broadcasting system that allowed users to broadcast events from any mobile device and watch them from anywhere globally. The project utilized Android Studio, iOS development, the FFmpeg library for media processing, Cordova for hybrid app development, and ReactJS for the web interface.

Responsibilities:

- Developed a broadcasting platform using ReactJS, Node.js, Express, and MySQL to enable multi-channel audience reach.
- Implemented a real-time notification system to enhance user engagement and retention.
- Built an intuitive UI to streamline content creation and management, reducing administrative overhead.
- Implemented secure authentication and authorization features to ensure data protection and privacy.
- Optimized performance through database query fine-tuning and data caching.
- Successfully ported Windows C++ code to Linux C++, including network programming and system calls.
- Debugged compatibility issues with Linux libraries and dependencies.
- Developed and tested Linux-specific features for seamless integration.
- Collaborated with cross-functional teams to deploy and maintain the Linux version of the application.