

Vasanthkumar Ramamoorthi

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CAREER OBJECTIVE:

Passionate software engineer with a strong background in software development, programming languages, and cutting-edge tools. I am committed to advancing my professional skills and dedicated to designing solutions that focus on the user's needs. Seeking a challenging role where I can apply my problem-solving skills and passion for technology to drive impactful projects with all my previous experience and learnings.

EXPERIENCE

Cognizant, Bangalore, Karnataka, India - Program Analyst

Project: JHHC (Johns Hopkins HealthCare) www.hopkinsmedicine.org

September 2021 - July 2023

- I have experience as a Program Analyst, focusing on projects within the U.S. healthcare and insurance sectors - JHHC (**Johns Hopkins HealthCare**). My expertise lies in back-end development and DevOps, with a strong focus on leveraging technologies such as **MSSQL** and **C#** to deliver robust and efficient solutions. Created complete stored procedures and **C#** back-end code as per the functionality of the project.
- Collaborating with team members to ensure seamless integration of back-end components with front-end functionalities.
- Utilized version control with **Git** for effective code management and collaboration.
- Conducting regular code review and refactoring the code and stored procedure to maintain code quality and efficiency, since the project is based on insurance related to Medicare and Medicaid.
- Working on data extraction back-end code implementation to fulfill the client needs and requirements.
- Deploying SQL and project components using power shell script, Monitoring Active Batch job run to detect the error generated while the Active batch job run and correcting the error in the code.

INTERNSHIP

Cognizant, Coimbatore, Tamil Nadu, India - Research Intern

June 2021 - September 2021

- Developed expertise in **C#** and **MVC** web development, effectively utilizing structured query language with **MSSQL** to enhance database performance. Played a key role in **full-stack web development** initiatives and demonstrated proficiency in implementing efficient **DevOps** methodologies.
- Worked on Full stack web application using .NET C#, to create an e-commerce website as a final project of the internship.

PROJECT

Portfolio Website using React JavaScript:

- Developed a responsive and interactive portfolio website using React.js, HTML and CSS.
- Featured a curated collection of personal and academic projects, emphasizing skill in web development, programming and problem solving.
- Deployed and implemented version control using GitHub to track changes and maintain code quality throughout the development process.
- Used VS Code and Chrome Developer Tool for efficient debugging and testing.

Creating a web page using MVC, .NET and MSSQL:

- **Goal** - To create a web page for the party hall to manage the booking details.
- **The methodology used** - Using MVC .NET, MSSQL, HTML, and CSS I created a web page for both the front-end and back-end of the website with different functionalities for both admin users and customer users.
- **Result** - By creating the web application the customers will easily book a party with the required amenities with respect to the available dates.

Built a Bluetooth controlled Robot using Arduino for feeding fish:

- Built a mini robotic vehicle that can be integrated into and controlled by an android phone.
- Programmed the Arduino for basic movements like forward, backward, left, right, etc., integrated Bluetooth receiver to the Arduino board and programmed it for the same.

EDUCATION:

DePaul University, Chicago, United States

2023 - 2025

—Master of Science in Computer Science (STEM)

Course work: Data Structures, Systems, Distributed systems, Concept of Programming Language, Algorithms

Sri Ramakrishna Engineering College, Coimbatore, India

2017- 2021

—Bachelor of Engineering in Mechanical Engineering Graduated with GPA of 7.49/10.00

CERTIFICATIONS

- AWS- Cloud Practitioner Essentials
- Java script - Basics of JavaScript [Udemy]
- Data Science - Data science with Python [Udemy]
- BEC - Completed Business English Certification Preliminary conducted by Cambridge university.

LANGUAGES

Programming languages: C, C++, C #, Python, Java, HTML, CSS, JavaScript, SQL, PL/SQL, Power shell, and Selenium.

Software Tools: Oracle, MSSQL, Xampp , Visual Studio, Visual code, Web driver IO, MATLAB, SolidWorks, AutoCAD, Photoshop.