

# Srivarshini Sundara Raghavan

## Software Engineer/ Senior Full stack Developer

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## Professional Summary

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Experienced software developer with over 2 years of proficiency in designing, developing, and managing information systems for software development companies. Adept at conceptualizing and deploying software solutions that incorporate logical and mathematical approaches to address business challenges.

## Work Experience

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### Full Stack Developer

Impiger Technologies - Chennai, Tamil Nadu

March 2022 to February 2023

#### Front-end Development:

- Develop and implement user interfaces, ensuring responsive design and optimal user experience.
- Collaborate with UI/UX designers to translate design wireframes into functional and visually appealing web applications.

#### Back-end Development:

- Design, develop, and maintain server-side logic using various SQL, MySQL, and NoSQL.
- Implement database structures and integration, ensuring data security, integrity, and performance.

#### Full Stack Development:

- Work on both client and server-side aspects of web development, ensuring seamless integration between front-end and back-end systems.
- Collaborate with cross-functional teams to incorporate user feedback and enhance overall system functionality.

#### Programming and Scripting:

- Proficient in programming languages such as JavaScript for both front-end and back-end development.
- Write well-documented, clean, and efficient code, following best practices and industry standards.

#### Application Testing:

- Conduct thorough testing of applications, identifying and resolving bugs and performance issues.
- Implement unit testing processes to ensure code quality and reliability.

#### Version Control and Collaboration:

- Utilize version control systems (e.g., Git) to manage codebase and collaborate effectively with team members.
- Participate in code reviews, providing constructive feedback and ensuring code quality.

**Security and Performance Optimization:**

- Implement security best practices to safeguard applications against potential vulnerabilities.
- Optimize application performance through code improvements and scalability enhancements.

**Stay Updated on Industry Trends:**

- Keep abreast of industry trends, emerging technologies, and best practices to continuously enhance development skills and contribute to the team's innovation.

**Documentation:**

- Create and maintain comprehensive technical documentation for codebase, APIs, and system architecture.
- Facilitate knowledge transfer within the team and ensure documentation accuracy.

**Sr. Full Stack Web Developer**

ZSoft (Cosmic) Consultancy Services - Chennai, Tamil Nadu

July 2021 to January 2022

**Technical Leadership:**

- Provide technical leadership and guidance to the development team, sharing expertise and fostering a collaborative work environment.
- Mentor junior developers, conducting code reviews and offering constructive feedback for professional growth.

**Architecture and Design:**

- Architect and design complex, scalable, and maintainable solutions for both front-end and back-end systems.
- Evaluate and recommend appropriate technologies, frameworks, and tools to meet project requirements.

**Project Management:**

- Lead the development and implementation of web applications, ensuring adherence to project timelines and delivery of high-quality solutions.
- Collaborate with project managers to define project scope, requirements, and milestones.

**Code Quality and Best Practices:**

- Enforce coding standards and best practices within the development team.
- Conduct thorough code reviews, identifying opportunities for optimization and ensuring code quality and maintainability.

**Performance Optimization:**

- Implement performance optimization strategies for both front-end and back-end systems to enhance application speed and efficiency.
- Conduct regular performance assessments and propose improvements as needed.

**Security Oversight:**

- Implement and oversee security measures to safeguard applications against potential threats and vulnerabilities.
- Stay informed about the latest security trends and proactively address security concerns in the development process.

### Collaboration and Communication:

- Collaborate with cross-functional teams, including UX/UI designers, product managers, and quality assurance to ensure seamless integration and delivery of features.
- Communicate effectively with stakeholders, providing updates on project progress and addressing technical concerns.

### Continuous Improvement:

- Promote a culture of continuous improvement by identifying areas for enhancement in development processes and workflows.
- Introduce new technologies and methodologies to improve team efficiency and product quality.

### Troubleshooting and Debugging:

- Investigate and resolve complex technical issues and bugs promptly.
- Provide support for production issues and contribute to root cause analysis.

### Documentation and Knowledge Sharing:

- Create and maintain comprehensive technical documentation for architecture, APIs, and coding practices.
- Facilitate knowledge sharing within the team and contribute to internal training programs.

## Software Engineer

KERN Consulting - Chennai, Tamil Nadu

November 2020 to June 2021

- Created a dynamic Restaurant Search application using React JS and Node JS.
- Engineered a robust e-Commerce Application using React Native.
- Developed and sustained a responsive web application utilizing HTML, CSS, JavaScript, and React JS.

## Education

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### Post Graduate Diploma in Software Engineering

Centennial College - Toronto, Ontario

January 2024 to Present

### Bachelors of Technology in Computer Science and Engineering

Karunya Institute of Technology & Sciences - Coimbatore, Tamil Nadu

July 2016 to May 2020

## Skills

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|--------------|-------------------|-------------------------|----------------------|
| • Node.js    | • React Native    | • No SQL                | • User Interface(UI) |
| • Git        | • Redux           | • SQL                   | • REST               |
| • Github     | • Mongo DB        | • Gitlab                | • Test Cases         |
| • HTML5      | • Web Development | • XML                   |                      |
| • JavaScript | • Bootstrap       | • Java                  |                      |
| • MySQL      | • APIs            | • Unit Testing          |                      |
| • CSS        | • Tailwind CSS    | • Front-End Development |                      |
| • React      |                   |                         |                      |

## Languages

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- English - Fluent
- Tamil - Advanced

## Links

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<http://www.linkedin.com/in/srivarshini-sundararaghavan-093bb4132>

## Certifications and Licenses

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### Full Stack Web development certification

January 2023

### Cambridge Business English Certificate

November 2016

## Additional Information

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### Workshops and Seminars attended:

1. Participated in a workshop on "Full Stack Web Development" at TECHAGON (Tech Fest).
  - Developed an application using Node JS and React JS.
2. Participant in at IBM Call for Code Hackathon
  - Engineered a project called "Earthquake detection using IOT sensors."
3. Attended a private seminar about Native Mobile Applications
  - Learned how to create a full-fledged mobile application using React Native.

### Freelance projects:

1. E-Commerce application in React JS and Redux

This project deals with developing an e-commerce website for Online Product Sale. It provides the user with a catalog of different product available for purchase in the store.

2. Arduino Ultrasonic Security System

This project is an ultrasonic based security alarm. It is distance sensitive, so the buzzer beeps faster if the object is near and it beeps slowly if the object is far.

3. Earthquake Warning System

The project aims at designing an earthquake monitoring and warning system that is capable of detecting earthquakes as well as warning people to take necessary precautions.

### Extra Curricular Activities:

1. Rotaract Club Service Director(06/2018-05/2019)
2. Rotaract Club Treasurer(07/2017-05/2018)
3. National Service Scheme(07/2016-06/2017)