HARI HARA SUDHAN SHANMUGAM

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Skills

- **Programming Languages and Technologies:**

Java | JS | HTML5 | CSS3 | C++ | C | MySQL | NodeJS | ReactJS | jQuery | Kotlin | C# | Python | .NET | SQL |

- **Development Tools and Platforms:**

Azure DevOps | Jira | REST API | Git | Android Studio | Flutter | AEM | WIX | Google Sites | IntelliJ | VS2012 | VS2022 | Source Tree

- **Other Skills**:

 Scrum | OOP | DS | Agile | RDBMS | MATLAB | TCP | UDP | UI/UX Designer | Frontend | Backend | Full-Stack | Mathematical and Analytical background | Innovative | Quick and Independent Learner | Positive Attitude!

Education

Master of Engineering	**University of Windsor**	*Windsor, ON, CA*	**09/2021 - 12/2022**

- Major in Electrical and Computer Engineering

Bachelor of Engineering	**Easwari Engineering College**	*Chennai, TN, India*	**08/2016 - 05/2020**

- Major in Electronics and Communication Engineering

Experience

SOFTWARE ENGINEER II	**Mi9 Retail**	*Toronto, Canada*	**06/2022 - Current**

- With 3+ years of experience, Led the design and development of multiple enterprise-level Point of Sale (POS) applications of Mi9 Retail Group, driving $39 Million of revenue last year using the latest technologies of **C, C++, .NET, SQL, PostgreSQL, and C #**.
- Providing system and application support, and troubleshooting issues. Acquired greater knowledge about retail and wholesale environment**.** Working on improving the systems, application, and infrastructure, and application fine-tuning.
- Independently integrated a major hardware retailer into the POS application, enhancing scalability and improving overall performance.
- Proficient in managing Back Office databases through progress scripts, demonstrating a strong grasp of relational database concepts.
- Responsible for Analysis of various products and customization efforts. Actively collaborated with other software engineers, product owners, quality engineers, and support engineers.
- . Utilized TCP and UDP protocols for efficient data transmission and communication within the application and to external payment processors.Implemented various payment services using REST APIs.
- . Collaborated with cross-functional teams to identify areas for system improvements and efficiency enhancements.
- Skilled in orchestrating load and stress testing, as well as executing comprehensive unit, integration, and end-to-end (e2e) testing protocols.
- Managed multiple client-specific code bases concurrently, ensuring seamless functionality and meeting diverse client requirements within the application.
- Key participant in the design and architecture of new system components designed for fault-tolerance and high performance.
- Implemented a utility in C that efficiently copies entire data tables while accommodating changes in record and key size. The utility enables seamless table restructuring with increased memory allocation for updated key and record sizes.
- Reviewing code of other developers on a daily basis. Extensive experience with Microsoft Visual Studio 2012/2022.

APPLICATION DEVELOPMENT ASSOCIATE   <u>**Accenture Pvt. Ltd.**</u>   *Bengaluru, KA, India*   **11/2020 - 08/2021**

- 10 months of experience and excellent understanding of **Adobe Experience Manager (CQ5)**. Gained deep technical expertise in web development technologies and frameworks and worked in both frontend and backend development.
- Experienced in all the SDLC phases. Collaborated with a team of 12 in an agile, rapid development with onsite/offshore development resources and ensured superior software quality.
- Responsible for developing custom reusable AEM components, templates, dialogs, workflows. Designed various optimization techniques as well as fixed bugs correctly and in timely manner.
- Underwent three months of pre-onboard training in web development technologies including **Java, MVC, HTML5, CSS3, JavaScript, jQuery & web frameworks.**
- Designed, developed, tested, and supported AEM components, integrations, and applications. Created custom OSGi configurations.
- Received extremely positive reviews from direct supervisor and from clients.
- The go-to guy for ad-hoc tasks that need to be implemented very quickly and reliably.
- Improved performance of e-commerce platforms for an American Fortune 100 corporation (Caterpillar Inc.) driving quarterly revenue of $17 billion using **AEM, jQuery, .NET**, node, and AWS.

SOFTWARTE ENGINEER, INTERN   <u>**Visteon**</u>   *Chennai, India*   **06/2018 - 09/2018**

- Cultivated a comprehensive understanding of unified diagnostic services **(UDS)**, an automotive diagnostic communication protocol.
- Analyzed and redesigned UDS source code using UML diagrams, contributing to the development of its functionality in C++. Proficient with MinGW compilers.
- Acquired expertise in the OSI model and ISO Standards, delving into TCP/IP protocols, timers, data layers, and electronic control units (ECU) within the automotive domain.
- Provided daily status updates and actively engaged in team reviews, gaining valuable exposure and insights into the automotive industry.

Projects _____

- **FOODOPIES:** Foodopies: Developed a recipe finder website using HTML, CSS, and ReactJS. The application features an intuitive search function for recipes. [Link to website - <u>Foodopies</u>]
- **WEATHER APP:** Designed and implemented a weather application with a user-friendly interface. Utilized only HTML and CSS to create a visually appealing and functional application. [Link to website - <u>Weatherapp</u>]

Others _____

- **Promoted from Software Engineer I to Software Engineer II** within Mi9 Retail ULC in recognition of exceptional performance and contributions to the team.
- **Best Volunteer Award**: An active member of the **National Social Service (NSS)** of SRM Easwari Engineering College. Participated twice in special camps conducted during 2018 and 2019. Organized many medical camps and awareness programs.