

SUBIRAMANIAM PIRASHANTH

SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Results-driven and innovative Software Engineer with hands-on experience in enterprise software development, system operations, and full-stack web application development. Skilled in server-side programming, front-end technologies, and cloud computing using platforms such as Azure and Google Cloud. Proficient in Agile methodologies, SDLC, and contributing to strategic initiatives within cross-functional teams. Passionate about delivering high-quality, scalable software solutions that align with business objectives.

PROFESSIONAL EXPERIENCE

Mydynamica (Pvt) Ltd – Software Engineer

November 6, 2024 – Present

- Developed and optimized server-side applications using Laravel, SQL Server, and REST APIs with a focus on scalability and performance. Contributed to the full SDLC, led system optimization efforts, and collaborated with global teams using Agile practices. Utilized Visual Studio and Eclipse for cross-platform development and debugging.

Mydynamica (Pvt) Ltd – Software Engineer Intern

May 5, 2024 – November 5, 2024

- Assisted in the development and maintenance of enterprise-grade applications using C#, WinForms, and MySQL. Contributed to system automation and optimization by implementing dependency injection and MVC architecture. Participated in UI design and enhanced client-side functionality for scalable systems. Gained practical experience with cloud infrastructure, background processing, and remote server configuration.

Developers Stack Academy - Intern – Full Stack Developer

January 1, 2024 – June 5, 2024

- Completed an internship at Developers Stack Academy, gaining hands-on experience in full stack development with HTML, CSS, JavaScript, TypeScript, Angular, React, Java (Spring Boot), and Node.js. Developed full stack projects using the MERN stack, designed UI/UX with Figma, and worked on desktop applications using JavaFX. Gained exposure to AWS, SaaS platforms, and Git & GitHub, while collaborating with a team and receiving valuable mentorship.

Technocolabs - Full Stack Web Developer Internship

November 2023 - January 2024

- MERN STACK Project
- <https://github.com/Technocolabs100/Porto-An-Ecommerce-Application>

PROJECTS

- Optical Management System (C#, WinForms): Enterprise retail software with multithreading and SQL Server integration.
- Leveraging Machine Learning for Efficient Defect Detection in Beverage Packaging - Built an AI-based system for real-time defect detection in beverage production, identifying issues like missing labels, incorrect liquid levels, and cap-sealing errors. Achieved 99.8% accuracy with YOLOv8, surpassing YOLOv5 and YOLOv11, using custom datasets and OpenCV. Addressed illumination and dataset challenges for industrial scalability.
- E-Commerce Platform (Laravel): Secure online shopping platform with authentication, product catalog, and admin dashboard.
- E-Commerce Web Application (MERN Stack) - React.js, Node.js, Express, MongoDB
- Tourist & Delivery MERN Stack Web: Full-stack web app using MongoDB, Express, React, and Node.js with user authentication and delivery management.
- Fast Food Delivery System – GitHub, HTML, CSS, JavaScript, PHP, SQL.

TECHNICAL SKILLS

- Programming Languages: Java, C#, PHP, JavaScript, TypeScript, Python, SQL,
- Frameworks & Architectures: MVC, MVVM, .NET
- Web Development: Laravel, Angular, MERN Stack, Web Services, Web Security, UI/UX Development
- Enterprise Tools: Visual Studio, Postman, Git, GitHub, XAMPP
- Cloud & DevOps: Microsoft Azure, Google Cloud, Selenium (basic), SDLC, Agile & Sprint-based Methodologies
- Databases: MySQL, SQL Server, MongoDB, Firebase, DBMS Concepts
- Operating Systems: Windows 10/11, Windows Server, Ubuntu/Linux
- System Operations: PC Assembly, BIOS Setup, Disk Management, Driver Updates, Backup & Restore, Virtualization.

SOFT SKILLS

- Problem Solving & Analytical Thinking
- Team Collaboration & Cross-Functional Communication
- Adaptability & Time Management
- Customer Service Orientation
- Critical Thinking & Decision Making
- Fast Learner with Growth Mindset

EDUCATION

Rajarata University of Sri Lanka

Bachelor of Information Communication Technology (Honors)

March 4, 2020 – December 5, 2024

J/Manipal Hindu College

G.C.E A/L - Engineering Technology

June 1, 2016 - December 5, 2018

ADDITIONAL INFORMATION

- **Languages:** English, Tamil, Sinhala
- **Courses offered by Coursera:**
 - Meta Front-End Developer
 - Meta Back-End Developer
 - Meta React Native Specialization
 - Modern JavaScript: ES6 Basics
 - Object-Oriented Programming – Java
 - Java Programming
 - Google IT Support Specialization – IBM
- **Course offered by SJTutor:**
 - PHP Web Development
- **Course offered by Developers Stack Academy:**
 - Full Stack Web Development Internship & Training Program(HTML, CSS, JavaScript, TypeScript, Angular, React, Java, Spring Boot, Node.js, MERN Stack, JavaFX, Figma, MySQL, MongoDB, AWS, Git & GitHub, SaaS)

REFERENCES

Wiraj Wickramaarachchi
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