

# Elwin Moolakkattu

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For my full detailed portfolio, visit my website:

**Summary:** Accomplished Full Stack Developer and DevOps enthusiast, holding a B.A. Honours in Information Technology and a minor in Business Administration from York University. Proficient in diverse aspects of web development, system administration, networking, and database management, leveraging hands-on experience with **Docker**, **Kubernetes**, **REST APIs**, **Git**, **LAMP** stack, **Laravel**, **Tailwind CSS**, **Livewire**, and **Alpine.js**. Well-versed in programming languages such as but not limited to, **Java**, **Python**, and **PHP**, adept at ensuring the security and reliability of expansive cloud-based Linux infrastructures. Rooted in **Agile** methodologies like **SCRUM**, my approach emphasizes problem-solving and continuous enhancement, complemented by robust communication skills. Dedicated to crafting impactful technologies, I bring a versatile technical skillset and an ardent commitment to delivering substantial value in any developer role.

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## Experience

### Web Developer – Sweets From The Earth., Vaughan

08/2023 – 11/2023

#### RESPONSIBILITIES:

- **Sole Developer Collaboration:** Collaborated closely with a senior developer to independently spearhead the creation of websites using modern tech stacks such as Laravel, Livewire, Tailwind, and Alpine.js.
- **Independent Website Development:** Took the lead role in designing and developing websites as the primary developer, showcasing individual initiative and accountability for project success.
- **Single-Page Showcase Site Development:** Individually designed and developed a single-page website highlighting featured products, seamlessly integrating company history and detailed information, demonstrating autonomy and self-reliance in crafting the user interface.
- **Complex CMS Development:** Co-led the development of a complex Content Management System (CMS) site alongside a senior developer, allowing users to manage posts, product listings, and dynamic navigation menus. Implemented routers, middlewares, and robust authentication methods to ensure security and smooth functionality.
- **Advanced Laravel Utilization:** Demonstrated proficiency by independently exploring and implementing various advanced Laravel features, including routers, middlewares, and authentication methods, ensuring the websites' robustness.
- **Database Management with Seeders:** Successfully managed databases by utilizing Laravel's database seeding feature, ensuring the effective population of databases with dummy data for testing and development purposes.

#### ACHIEVEMENTS:

- **Successful Implementation of New Technologies:** Adapted quickly to new technologies (Laravel, Livewire, Tailwind, Alpine.js) and effectively utilized their basic and advanced features to build functional and visually appealing websites.
- **Delivered User-Centric Solutions:** Created user-friendly interfaces for both simple and complex websites, enhancing user experience and interaction with the platform.

- Enhanced Functionality with Laravel Features: Implemented routers, middlewares, and authentication methods in the CMS site, adding versatility and security to the platform's functionalities.
- Accomplished Development of Comprehensive CMS: Played a key role, alongside a senior developer, to develop a robust and comprehensive CMS platform enabling users to manage various aspects of content, showcasing skills in full-cycle web application development.
- Contributed to Scalable Solutions: Employed database seeding techniques to create scalable and reliable databases, ensuring efficient testing and development environments.
- Solo Development and Collaboration Success: Successfully collaborated with a senior developer while independently driving the development process, showcasing adeptness in both solo and collaborative project environments.

## **Full-Stack Developer & Maintainer - St. Mary's S.O.C., Mississauga**

01/2020 – 08/2023

### **RESPONSIBILITIES:**

- Engineered, launched, and presently maintain a bespoke web server for the organization, leveraging my skills in server architecture, system administration, and management.
- Developed and consumed RESTful APIs for seamless data integration across microservices.
- Designing and managing relational and non-relational databases, ensuring data consistency, integrity, and security.
- Built and maintained a Kubernetes-based compute platform, streamlining deployment processes and practicing the principles of containerization technologies in a production environment.
- Practiced continuous delivery, ensuring efficient, reliable, and safe value delivery to users.
- Participated in a flexible on-call rotation, managing, and troubleshooting all types of issues.
- Performed routine system maintenance, upgrades, and migrations while maintaining system reliability and integrity.
- Managed the reliability, security, and integrity of the organization's Linux infrastructure, demonstrating my ability to operate in a cloud-based environment.
- Worked on the continuous improvement of the developer experience by providing tools, libraries, automation, services, and establishing efficient software engineering practices.
- Played a lead role in project milestones, and features, showcasing my skills in project management and my ability to contribute to the cultural, process, and changes within the team.
- Utilized my strong communication skills to mentor other team members, write comprehensive documentation, and actively participate in meetings to ensure effective knowledge transfer.
- Collaborated with others across the organization to solve problems and build better processes, systems, and software, enhancing the efficiency of cross-functional teams.

### **ACHIEVEMENTS:**

- Earned high user satisfaction, reflecting superior user experience design and website functionality.
- Consistently delivered clean, robust code, demonstrating a strong grasp of programming principles.
- Built and managed a web server from scratch, showcasing my technical proficiency and understanding of cloud-based Linux infrastructure.
- Enhanced website performance through optimal coding strategies, ensuring fast load times and a smooth user experience.
- Effectively eliminated repetitive tasks through the development of automation scripts, enhancing operational efficiency.
- Successfully led multiple projects to completion, contributing to the organization's growth and user satisfaction.

**Additional work experiences and project details are on my portfolio.**

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## Education

2016 - 2021

### **B.A., Honours. Information Technology - York University, Toronto**

#### **KEY LEARNING:**

- Developed a comprehensive understanding of database design, web development, network security, and server management.
- Gained proficiency in version control tools, virtual machines, and containerization (Docker, Oracle VirtualBox).
- Collaborated on team projects using project management and team collaboration tools.
- Gained knowledge in enterprise systems (ERP, SCM, CRM, BI), project management, human-computer interaction, and IT security principles.

#### **SKILLS ACQUIRED:**

- Strong communication skills to articulate technical information to diverse audiences.
- Proficient in Java, Python, PHP, HTML/CSS, with a solid foundation in programming principles.
- Acquired skills in data analysis using tools such as Excel, MATLAB, and Python.
- Strong understanding of systems design and architecture, and UML diagramming.

### **Minor in Business Administration - York University, Toronto – Details on website**

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## Skills

- **Communication:** Excellent written and verbal communication skills, adept at mentoring, writing comprehensive documentation, and presenting work effectively during demos.
- **Data analysis:** Proficient in Business Intelligence, Data Collection, Visualization, Warehousing, and statistical analysis using tools like Excel, MATLAB, and Python.
- **Database management:** Proficient in relational and non-relational Database Design, Administration, SQL, and experienced in handling a variety of databases including Microsoft Access, MySQL, Oracle DBMS, PostgreSQL, and phpMyAdmin.
- **Networking skills:** Skilled in DHCP, DNS Management, Firewall management, IPv4/IPv6, Network Security, SSL Configuration, TCP/IP, TLS, VPN Management, Virtual Hosts Management, and hands-on experience in managing diverse network setups.
- **Project management:** Competent in Agile Development, Project Planning, Project Management Methodologies, and Risk Management practices to facilitate efficient project execution.
- **Software development:** Proficient in a wide array of programming languages and frameworks, including Java, JavaScript, PHP, Python, Node.js, React, Bash Scripting, C#, GO (Golang), HTML/CSS, PowerShell Scripting, Laravel, Tailwind CSS, Livewire, and Alpine.js.
- **Web development:** Strong skills in both Back-End and Front-End Development, specializing in Responsive Web Design, User Experience Design, and Web Application Development using various technologies and frameworks such as Laravel, Tailwind CSS, Livewire, and Alpine.js.