

# Vaishnavi Selvakumar

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## Objective

An adaptable student with knowledge of application development, configuration management, and database design. I pride myself on my effective communication skills, in being a team player. My work ethic has a proven track record of delivering results within a competitive timeframe.

## Core Skills

- Proficient in applying solid computer science fundamentals to drive innovation in Android development, with a deep understanding of Android best practices and architecture patterns.
- Proficient in Java, JavaScript, SQL, HTML, CSS, and XML for software development
- Knowledge of SDLC methodologies, architecture patterns, code reviews, and documentation.
- Collaborative team player with strong communication abilities
- Detail-oriented with excellent time management and organizational skills
- Eager to continuously improve processes and exceed expectations

## Technical Skills

- Languages: JavaScript, Java, PHP, XML
- Web Technologies: HTML5, CSS3
- Mobile Technologies: Kotlin, Swift
- Database Management: MySQL, Fire Store, MongoDB, SQLite, Room
- Frameworks: Angular, React, CodeIgniter
- Version Control: GIT
- UI/UX Design Collaboration: Figma
- Backend Technologies: Node js
- IDEs: Visual Studio Code, IntelliJ, Android Studio, X-Code

## Education

### **Mobile Application Development & Strategy – Postgraduate**, September 2023 to Present

#### **George Brown College – Toronto, ON**

Rigorous program focused on advanced mobile app development, strategy, and emerging technologies such as Kotlin, Swift, NodeJS, JavaScript, OOP, Android Studio, IntelliJ, XML and MongoDB

**Project Android:** Developed a Mobile App with Fire store and Live Map Integrations, created a cutting-edge mobile application using fire store for efficient data storage and retrieval. Demonstrated proficiency in applying advanced mobile app development concepts and strategies learned throughout the program.

### **Software Engineering - Bachelor of Engineering**, January 2019 to September 2022

#### **University of Westminster – England, UK**

I graduated with honors, gaining a solid foundation in software engineering principles and technologies such as Java, Python, SQL, Machine Learning, Database Management, Data Science, OOP, Web Development & Testing.

- Authored detailed technical specifications and diagrams for client platforms and custom-developed applications, ensuring clarity and alignment with project goals and client expectations.

**Relevant Coursework:** Java, Python, SQL, Database Management, Web Development

**Final Year Project:** Utilized Machine Learning for SQL Query Generation using natural language

## Professional Experience

### **Software Engineer** - November 2022 to September 2023

#### **Eceton LLC - Colombo, WP**

- Designed and developed intuitive and user-friendly software interfaces using AngularJS, significantly contributing to streamlining management processes and resulting in a 30% reduction in user error rates.
- Led code reviews, providing feedback on code quality and design best practices, and resolving technical issues to enhance team productivity and application reliability.

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- Conducted performance and acceptance testing of customer products, identifying and fixing over 100 bugs, which led to a 25% increase in software stability.
- Conducted performance and acceptance testing of customer products, ensuring the delivery of high-quality software solutions.
- Managed bug reports and implemented thorough testing to ensure software quality, resulting in a 30% improvement in system stability and performance.
- Committed to community engagement with strong interpersonal abilities.

**Software Engineer Intern** - July 2020 to July 2021,

**Amerck Technologies** - Colombo, WP

- Collaborated with team members to create interactive websites using PHP, HTML, CSS, ReactJS, SQL, and CodeIgniter frameworks.
- Contributed to project requirements analysis and software application development, exceeding client expectations.
- Looked at the source code to see if there were any potential issues with functionality and resolved 50+ bugs and improved UI.
- Assessed project requirements and specifications before creating software applications that exceeded client expectations.

## Project

### **PROJECT Mobile Application Development**

- Designed and developed a mobile rental property application for Android using Kotlin, XML and JavaScript collaborating closely with teammates to gather requirements, design features, and conduct comprehensive testing to ensure app stability and performance.
- Collaborated with cross-functional teams to gather requirements, design user interface features, and conduct thorough testing to ensure app stability and performance.
- Contributed to code reviews and actively participated in discussions to improve software development workflows and processes.
- Leveraged knowledge of architecture patterns such as MVVM or MVP to design scalable and maintainable Android applications.
- Demonstrated strong leadership and decision-making skills, guiding the team through technical challenges.

### **PROJECT-E-commerce Platform Development**

- Enhanced a dynamic e-commerce platform using Angular, resulting in increased user engagement and satisfaction through responsive UI design and seamless integration of backend functionalities and APIs.
- Leveraged Angular to design and implement a visually appealing and responsive user interface (UI), resulting in increased user engagement and satisfaction in a 3-month period.
- Managed project priorities and deadlines, ensuring timely delivery of milestones and feature updates.
- Quantified contributions: Improved website load time by 30% through code optimization and implemented user authentication system resulting in a 40% decrease in fraudulent activities.
- Quantified contributions: Wrote over 10,000 lines of code, implemented complex features such as real-time data synchronization, resulting in a 20% improvement in application responsiveness.

### **PROJECT-Health Sector web application & Point of Sale (POS) system (Full stack development - Bug fixing)**

- Demonstrated proficiency in Full Stack development utilizing PHP, JavaScript and the CodeIgniter framework for both front-end and back-end improvements.
- Implemented extensive database enhancements and optimizations using SQL.
- Enhanced the system's user interface (UI) by creating responsive and visually appealing HTML designs, contributing to a more user-friendly retail experience.
- Resolved over 50 critical system issues within 24 hours, maintaining 99.9% uptime and improving customer satisfaction scores by 15%.