KAAVYA SUNDARAM

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PROFILE

Software Developer with 6+ years of experience across the end-to-end SDLC, specializing in **.NET and Java** technologies. Proficient in **C#, ASP.NET Core, MVC, SQL Server**, **Azure SQL** and REST API development with strong expertise in architecture patterns (MVC, MVVM, SOLID). Skilled in API integration, authentication (OAuth2), and push notifications, with hands-on experience in tools such as **Git, Bitbucket, SourceTree, Jenkins, and Firebase**. Adept at collaborating with cross-functional teams to deliver scalable, user-centric solutions in **healthcare, automotive, and public sector domains.** Fluent in English, certified with **IELTS - CEFR Level: C1 - Advanced**.

SKILLS

Programming Languages	C#, Java, Kotlin, XML, JSON, SQL, HTML5, CSS, JavaScript, AJAX
Frameworks / Platforms	.NET, ASP.NET Core, MVC, Spring Boot, Spring MVC, J2EE, Jetpack Compose
Web & API Technologies	RESTful Web Services, SOAP, WSDL, Retrofit, OAuth2, API Integration, Push Notifications
Architecture Patterns	MVC, MVVM, MVP, SOLID Principles, Microservices Architecture
Databases	SQL Server, Oracle SQL, Firebase, Room Persistence Library, Azure SQL
Version Control	Git, Bitbucket, SourceTree
Cloud & CI/CD	AWS, Jenkins CI/CD, Maven, Gradle, Azure
UI/UX Design	XAML, Material Design, Android UI/UX Development, Responsive Design
Testing Tools	JUnit, Android JUnit, UAT, Regression & Performance Testing
Project & BA Tools	JIRA, Confluence, MS Project, Visio, SharePoint, Slack
Data Analysis	MS Excel, Excel Macros/VBA, Power BI, Data Visualization, Dashboards
Office & Productivity	MS Office Suite (Word, Excel, PowerPoint), MS Visual Studio, Android Studio, Eclipse, SSMS
Specialized Tools	Crashlytics, Firebase, Google Maps SDK, Google Analytics
Methodologies	Agile (Scrum, Sprint Planning), Waterfall, SDLC, BRD/FRD Documentation

WORK EXPERIENCE

SYSTEM INTEGRATOR 2, City Of Toronto, Toronto Paramedics Division, Canada   **Aug 2024 - Sep 2025**

- Developed and maintained desktop and web applications using **C#, .NET Core, WPF** (for desktop components), and **ASP.NET Core (MVC & Web API)**, supporting healthcare business operations for 5,000+ users.
- Leveraged **AJAX, JSON, JavaScript, jQuery, and HTML5** for UI components and responsive design.
- Designed, created and optimized complex **T-SQL** scripts, **SQL Server** queries, tables, and stored procedures, triggers improving data accuracy. Integrated **Azure SQL and MySQL** to enhance data management and accessibility across the platform.
- Implemented **Dependency Injection** in both **API and WPF** layers to achieve clean architecture and better testability.
- Maintained and supported patient data systems, handling sensitive healthcare information in compliance with **data security and privacy regulations (HIPAA/PHIPAA)**.
- Provided **on-call production support during releases**, ensuring smooth deployments and minimizing downtime.
- Optimized application performance using **asynchronous programming** (async / await) to handle long-running operations without blocking UI threads.
- Worked with **open query and complex SQL queries** for data extraction, reporting and integration with external systems.
- Delivered **BRDs, FRDs, workflow diagrams**, and conducted **UAT, performance, and regression testing to** ensure **defect-free releases**.

- Conducted **feasibility studies** and provided actionable recommendations on business process, workflows and policies.
- Documented technical systems and process for knowledge transfer and **prepared detailed business cases and requirement specifications**.
- Collaborated with clients, internal teams, service providers and **external stakeholders to gather requirements, align business objectives and deliver tailored solutions.**

IT TRAINEE, City Of Toronto, Technology services Division, Canada   **May 2024 - Aug 2024**

- Coordinated with stakeholders to gather, document, and analyze requirements; created **BRDs, functional** specifications**, and process flow diagrams** using **Visio/Confluence**.
- Conducted **feasibility and gap analysis** across multiple divisions for projects worth **$85M**, identifying system limitations and process improvements.
- Supported **UAT, testing, and defect tracking**, ensuring deliverables aligned with business needs and quality standards.
- Managed **budget reconciliation automation** for the **EWMS Project** using **Excel Macros/VBA.**
- Prepared **status reports, dashboards, and data visualizations** in **Excel/Power BI**, supporting executive decision-making and project steering committees.
- **Managed SharePoint repository** for project artifacts, ensuring version control and seamless knowledge transfer, while **automating cloud-based workflows** using **Azure DevOps** to streamline integration.
- Facilitated **Scrum** meetings with project teams to review sprint progress and remove blockers.
- Monitored **project schedules, risks, and issues** using **MS Project and JIRA**, ensuring on-time delivery within budget.

SENIOR ENGINEER, Impiger Technologies Pvt Ltd, Coimbatore, India   **June 2021 - April 2023**
- Developed mobile & web, desktop applications using Java, Kotlin, **WPF** and **.NET Core.**
- Utilized **message-driven** architecture for **asynchronous communication** between microservices, by enhancing system responsiveness and fault tolerance.
- Implemented **Java Memory Model** principles to enhance application stability and performance.
- Played a key role in the design and implementation **of RESTful APIs**, employing Spring Boot's capabilities to streamline communication between system components.
- Designed and implemented microservices following best practices, utilizing technologies such as **Java Threads, JPA**, and **Microservices** design patterns.
- Performed **data migration, transformation, and integration** tasks using **T-SQL** to support application enhancements and cross-system data exchange.
- Built web services with **J2EE** and improved the time responsiveness in the **client-server** web applications.

ANDROID ENGINEER, Impiger Technologies Pvt Ltd, Coimbatore, India   **May 2018 - May 2019**
- Experience with Java, Kotlin, Android SDK, Android Studio, Eclipse IDE, UI design and Windows.
- Provided **extended support with resolving issues** reducing the number of reported bugs by 50% and enhancing overall app stability.
- Implemented architecture patterns such as **MVP, MVVM, and MVC**, as well as asynchronous programming patterns to maintain scalable and maintainable codebases.
- Implemented **Live Data, View Model, and Data Binding** within the **MVVM architecture**.
- Experience with Retrofit for API integration and Room Persistence Library for local data storage in Android projects.
- Led development efforts on diverse projects, collaborating with product owners and business analysts to refine ticket requirements in **JIRA.**
- Worked with cross-functional teams to create the module or application, **streamline the workflow**, and resolve bugs and issues that were updated in **JIRA**.

MOBILE APPLICATION DEVELOPER INTERN, Ducen IT Pvt Ltd, Coimbatore, India   **Jan 2016 - Sep 2017**

- Demonstrated proficiency in interacting with backend endpoints, debugging, and **memory management**, ensuring the reliability and performance of Android applications.
- Experienced in generating build and **troubleshooting build failure issues in Jenkins**.
- Gained expertise in **ensuring compatibility** across diverse devices and Android API levels.
- Practical **expertise in integrating** the **best third-party libraries for Android.**
- Experienced with **map SDK integration** with **voice assistance** and **directions API for navigation** resulting in a 20% increase in user engagement.
- Experience in using and configuring **third-party SDKs** such as **Firebase Crashlytics**, **Google Analytics**, **Google Maps** and their APIs, Google Accessibility, and other third-party libraries.
- Leveraged **Jetpack Compose and Navigation Components** to build modern UIs and **streamline navigation flows, enhancing user experience and app usability**.

EDUCATION

Post Graduate Diploma in Project Management, Conestoga College, Ontario,   **December 2023**
Canada. Honours: **Distinction (3.6/4.0)**

- Relevant coursework: Project Planning - Scope and Quality, Project Planning - Schedule and Budget, Agile Project Management, and Stakeholder Management.

B. Tech Information Technology, Sri Shakthi Institute of Engineering and Technology,   **May 2018**
Coimbatore, India.

- Equivalent to a 4-year Canadian bachelor's degree as evaluated by **WES**.

PROJECTS/PUBLICATIONS

Toronto Paramedic Services - Clinical Data and Business Needs (.NET, JavaScript, SQL Server)

- Developed and maintained a **government web application for managing clinical data of patients**, ensuring secure storage and compliance with healthcare regulations.
- Integrated authentication, **role-based access and data encryption** to maintain confidentiality and security of sensitive health information.
- Built interactive dashboards and reporting features with **JavaScript and SQL queries** to track patient outcomes, treatment history and operational efficiency.
- Redesigned the **quality assurance auditing process**, making it more streamlined and user-friendly.

Toronto Paramedic Services – Controlled Medication Tracking System - (C#, .NET, JavaScript, SQL Server)

- Developed the **core functionality** of a **Controlled Medication Tracking System**, ensuring compliance with the **Narcotics Safety and Awareness Act, 2010 (S.O. 2010, c.22)**.
- Developed **secure authentication** and user access controls to safeguard sensitive medical data.
- Implemented **real-time tracking** of controlled medication kits and their locations, enhancing accountability and reducing misuse.
- Designed **compliance-driven documentation workflows**, ensuring accurate audit trails and adherence to regulatory standards.

Hyundai Motor Company, Hyundai Application - Java

- Built an application used to book test drives, pick-up and drop car service and smart sales.
- Integrated maps SDK with **voice assistance and directions API** resulting in a 20% increase in user engagement.
- Application built using **Live Data, View Model, and Data Binding in MVVM** architecture.