Thameera Viraj Ariyapala

SENIOR SOFTWARE ENGINEER
https://thameera.net

Experienced Technologist: Leveraging a robust 15-year track record in software engineering, specializing in Microsoft technologies including C#, .NET Core, ASP.NET, MVC, WPF, Web API, Windows Forms, Dev Express and Angular.

- **Certified SCRUM Master**: Demonstrated expertise in agile methodologies, enhancing project management efficiency and delivering high-quality software solutions across diverse domains.
- **Domain Specialization**: Proficient in educational, investment banking, finance, entertainment, creative sectors and ERP systems.
- **Advanced Technical Skills**: Mastery of Object-Oriented Analysis (OOA), Object-Oriented Design (OOD), Service-Oriented Architecture (SOA), Design Patterns, SDLC, UML, and comprehensive documentation practices.
- **Cloud Computing and Microservices**: Proven ability in deploying and hosting applications on Azure, utilizing microservices architecture to ensure scalability and reliability.
- **Leadership and Team Collaboration**: Strong team player and leader, adept at driving process improvements, mentoring junior developers, and fostering a collaborative work environment.
- **Innovative Problem Solver:** Excel in designing and implementing cutting-edge solutions to complex technical challenges, enhancing system performance and user experience.

TECHNICAL SKILLS

Microsoft Technologies:	.NET Core, NET Framework, C#.NET, ASP.NET, VB.NET, WPF, WCF, ADO.NET, LINQ, MVC, Windows Forms, Web Development, Web Services/SOAP/REST, Web API
Web Programming:	HTML/CSS, JQuery/AJAX, JSON/XML, Bootstrap, Angular
Libraries & Testing Frameworks:	Log4Net, NLog, NUnit, MSTest, xUnitTest
Reporting:	Crystal Report, SSRS, Xtra Reports (DevExpress)
Database / Application Servers:	IIS, SQL Server, MySQL, Cosmos DB, SQLLite, DynamoDB, Oracle DB
Process:	OOAD, UML, Agile (SCRUM), Kanban, SAFe
Tools:	DevExpress, Infragistics, SQL Profiler, MS Build, TFS, Git, MS Visio, MS Project, Jira, Confluence
Mobile:	Xamarin, Windows Mobile

PERSONALITY TRAITS

Project Management	Cultural Awareness	Value Orientation	Business Continuity	Avid Speaker	Corporate Vision	Executive Leadership	Process Efficiencies	Collaboration & Integration

PROFESSIONAL EXPERIENCE

Embed Singapore Pte Ltd, Singapore
Senior Software Developer   Jan 2022 – Jul 2024
- **Software Development**: Develop enterprise level application in .NET Core and peer code reviews to ensure high-quality software development
- **Customer Support**: Deliver customer support, addressing and resolving technical issues promptly, enhancing customer satisfaction
- **Documentation**: Develop and maintain technical documentation for internal and customer use, increasing accessibility and clarity
- **Team Mentorship**: Lead and mentor junior team members, fostering their professional development, and boosting team expertise
- **Technical Collaboration**: Engage in technical discussions and collaborative problem-solving sessions, accelerating project resolution

IBM Global, Singapore
Senior Software Engineer   Apr 2020 – Oct 2021
- **Software Development**: Programmed and sustained code to fulfill project requirements, increasing code quality
- **Scrum practice**: Scheduled and coordinated sprints to guarantee streamlined project management, improving workflow efficiency
- **Performance Optimization**: Conduct performance tuning and optimization for high-availability system
- **Documentation**: Compiled and revised technical documentation for reference and training, enhancing knowledge transfer
- **Collaborative Development**: Participated in pair programming to promote teamwork and enhance code quality, increasing development efficiency

Daimler Financial Services Africa & Asia Pacific Ltd, Singapore
Full Stack Developer   Apr 2019 – Apr 2020
- **Software Development**: Engineered and sustained code in .NET Core and Angular to fulfill project specifications, improving functionality
- **Project Planning and Management**: Actively participated in Scrum ceremonies and PI plannings to enhance project management efficiency
- **Documentation**: Authored and revised technical documentation, increasing accuracy
- **Client Interaction**: Attended client meetings to collect requirements and deliver updates, boosting client satisfaction
- **Problem Solving and Design**: Engaged in technical discussions to address complex issues and devise solutions, enhancing problem resolution speed
- **Code Quality Assurance**: Conducted code reviews to uphold code quality and compliance with standards, elevating code reliability

Butterfly Global Pte Ltd, Singapore
Senior Software Developer   May 2018 – Feb 2019
- **Software Development**: Engineered and supported code to fulfill project requirements, improving overall project delivery
- **Hardware Testing:** Executed hardware evaluations to verify system functionality and reliability, increasing system dependability
- **Customer Interaction:** Engaged in customer requirement sessions to collect and comprehend client needs, enhancing project alignment with client expectations

- **Performance Optimization**: Analyzed and communicated performance improvements to boost system efficiency, enhancing operational performance
- **Code Quality Assurance**: Conducted code audits to ensure adherence to high-quality and compliant code standards, elevating code quality

Ascentic (Pvt) Ltd, Sri Lanka
Tech Lead   Jul 2017 – May 2018
- **Client Engagement**: Joined client consultations to identify and capture project requirements, enhancing project clarity
- **Software Design**: Conceptualized software architecture to align with project goals and criteria, optimizing design efficiency
- **Technology Selection**: Contributed to the selection of suitable technologies for multiple projects, increasing technology compatibility
- **Agile Facilitation**: Operated as Scrum Master, guiding agile practices and securing project milestones, improving workflow
- **Team Leadership**: Led and advised junior team members, elevating their performance and skill growth
- **Software Development**: Crafted and sustained codebases, enhancing software stability
- **Documentation Management**: Compiled and updated project documentation, improving project communication

PREVIOUS EXPERIENCE

Ripley and Marshall Company (Pvt) Limited, Sri Lanka
Software Engineer   Oct 2016 – Jun 2017

Prima Management Services (Pvt) Ltd, Sri Lanka
Senior Software Engineer   Nov 2014 – Sep 2016

Code Connections (UK) Ltd, Sri Lanka
Senior .NET Programmer   Jan 2013 – Aug 2014
.NET Programmer   Apr 2011 – Jan 2013

Perfect Business Solution Services (Pvt) Ltd, Sri Lanka
Software Engineer   Jan 2010 – Apr 2011
Junior Software Engineer   Sep 2008 – Jan 2010

PROFESSIONAL CERTIFICATIONS

Certified SCRUM Master   2018
98-373: Microsoft Mobile Application Expert   2020

EDUCATION AND PROFESSIONAL QUALIFICATIONS

- MSc in Computing | Glyndwr University, UK | 2019
- BSc (Hons) in Computing | 1st Class – Batch Top | Teesside University, UK | 2014
- Higher Diploma in Information Technology | University of Colombo School of Computing, Sri Lanka | 2013
- Diploma in Information Technology | University of Colombo School of Computing, Sri Lanka | 2011
- Higher National Diploma in Information Technology | Advanced Technological Institute, Sri Lanka | 2010

PUBLICATIONS

Geolocation Search with SharePoint Fast Search Feature and A Search Algorithm*
HCII 2019, LNCS 11591, Springer [978-3-030-21816-4]
Authors: Thameera Viraj, Chathushka Dilhan
Description: The paper reviews geolocation-finding mechanisms using SharePoint Fast Search and the A* search algorithm. It compares two algorithms, Euclidean distance, and Taxicab geometry distance, for determining the shortest path. The author highlights the effectiveness of each algorithm in finding the shortest path.

The Effectiveness of Machine Learning Methods for Clinical Data Coding
FAIML 2020, Springer
Authors: Thameera Viraj, Chathushka Dilhan
Description: Developed automated designs to streamline the coding and labeling of qualitative data in clinical research, reducing manual effort and minimizing human bias and errors. The study focuses on evaluating the effectiveness of a Support Vector Machine (SVM) in classifying clinical interview fragments into numerous categories, thereby enhancing service delivery and overall health quality. This work aims to make the research process more efficient and enjoyable for clinicians.

PLEASE REFER TO THE ANNEXURE FOR THE PROJECT DETAILS

ANNEXURE

Title: Elements Solution for Singapore Economic Development Board (While working at IBM)
Duration: Apr 2020 – Oct 2021
Description: Developed ELEMENTS, an Incentive Management System for the Economic Development Board (EDB) of Singapore. This system handles various incentives provided to registered companies and manages their annual progress updates. It integrates with multiple inbound and outbound applications.
Technologies & Tools Used: C# MVC, MS SQL, Entity Framework, Codecept JS, xUnitTest, Wiremock, HTML5, CSS, JQuery, Kendo UI, Muhimbi Utility, OpenXML
Team Size: 8

Title: e-Contracting Solution for Daimler Mercedes-Benz (While working at Daimler Financial Services Africa & Asia Pacific Ltd)
Duration: Apr 2019 – Apr 2020
Description: Implemented a groundbreaking eContracting solution that digitized the entire car financing process for Mercedes-Benz. This solution streamlined finance calculations, documentation, and back-office checks, reducing the contract processing time from days to minutes. Customers could check finance eligibility, process loans, and sign contracts securely via OTP, all through an online application and dealership OCR technology.
Technologies & Tools Used: .Net Core microservices, Angular 6, SQL, Entity Framework Core, nHibernate, MSTest
Team Size: 7

Title: Chips Redemption Kiosk System (CRK) for Resort Sentosa (While working at Butterfly Global Private LTD)
Duration: May 2018 – Feb 2019
Description: Developed the first-of-its-kind Chips Redemption Kiosk System (CRK) for casinos at Resort Sentosa. The system integrated hardware and software to automate cash chip redemptions, enhancing productivity at cage counters. Key integrations included RFID and NFC readers, a receipt printer, and a cash dispenser.
Technologies & Tools Used: .Net 4.5 with WPF, SSRS, C#, API integration (RFID), API integration (NFC), API integration (Printer), API integration (Cash Dispenser), BizTalk Integration
Team Size: 4

Title: Psydentify (While working at Ascentic)
Duration: July 2017 – Feb 2018
Description: Psydentify is a scalable, science-based digital career tool designed to enhance self-awareness and career management skills, aiding informed career decisions. It features a scientifically-backed assessment for students, adults in career transitions, and job seekers, and a holistic support system for counselors and advisors. The tool integrates brain research, vocational counseling, and psychology, offering tests, exercises, reflective questions, videos, and research. It is also tailored for individuals with language difficulties and dyslexia, incorporating gamification elements to motivate users with neuropsychological disabilities, developed with input from top gaming industry experts.
Technologies & Tools Used: Azure Services (Redis, CosmosDb, ML, SQL V2, FabricServices, Blob, API Manger, and etc), .Net Core, HTML5, Entity framework Core, Angular
Team Size: 5

For more projects I have worked on, please visit my portfolio https://thameera.net