Sajana Weerakoon

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EXECUTIVE SUMMARY

- Experienced software engineer with over 3 years of expertise in designing and implementing software solutions using C# and .NET/Blazor/ReactJS frameworks. Skilled in collaborating with cross-functional teams to deliver high-quality applications and eager to contribute to impactful projects in a dynamic environment.

TECHNICAL SKILLS

- **Languages & Frameworks:** C#, .NET 6/8, .NET Framework 4.6.1, Windows services, Blazor, React with Redux
- **DevOps:** Azure DevOps, Docker, Kubernetes, Helm, Argo CD, Octopus, Open Lens, CI/CD TeamCity pipelines, Nuget, Choco
- **Databases:** Oracle, MySQL, SQL Server, MongoDB
- **Messaging & Realtime:** RabbitMQ, SignalR, Firebase Cloud Messaging (FCM), Apple Push Notification (APNS)
- **AI & Data:** Python, Machine Learning
- **Methodologies:** Git (Advanced workflows), TDD, Agile Scrum, Release Management

WORK EXPERIENCE

Senior Software Engineer   2024 July - Present
DIPS AS, Norway | Creative Software

- Actively contributed to software architecture design for multiple client-facing, billable projects at **DIPS AS, a leading eHealth systems provider in Norway**.
- Designed and implemented RabbitMQ message broker systems for seamless component communication.
- Deployed services in a Kubernetes environment using Helm charts, Argo CD, and GitOps practices for streamlined and automated deployments.
- Mentored junior developers, conducted technical training, and drove innovation in development methodologies and tools.

Key Achievements:

- Optimized a .NET microservice consuming an Oracle database, improving system performance and scalability, resulting in a 40% increase in Transactions Per Second (TPS) and enhanced capacity to handle higher workloads.
- Containerized legacy IIS and Windows Service applications, including WebAPIs, client applications, and microservices, that significantly enhanced infrastructure management efficiency for the customer support team.

Software Engineer   2022 January - 2024 June
DIPS AS, Norway | Creative Software

- Developed RESTful services and microservices using ASP.NET Core Web APIs.
- Developed client-side applications with Blazor framework, incorporating Razor, HTML, and CSS.
- Managed CI/CD pipelines with TeamCity for efficient software deployment and continuous integration.
- Implemented software design patterns, dependency injection, and SOLID principles for enhanced architecture.
- Leveraged Azure DevOps for source control management and developer task tracking to streamline collaboration and project workflows.
- Developed and implemented comprehensive integration test suites to maximize developer testing coverage.
- Demonstrated expertise in working with Oracle databases for efficient data management and integration.

Key Achievements:

- Implemented real-time data progress bars for long-running tasks using SignalR, providing live updates that significantly enhanced user experience and engagement.

Software Engineer - Intern 2020 August - 2021 March

DIPS AS Norway | Creative Software

- Actively contributed to the development of software applications by writing, debugging, and testing code, ensuring alignment with project objectives and coding standards.
- Identifying and fixing bugs and issues in existing codebases.
- Writing and executing test cases to ensure that software is functioning correctly and meeting requirements.

SOFT SKILLS

- Teamwork
- Leadership
- Problem-solving
- Adaptability
- Presentation

EXTRACURRICULAR ACTIVITIES

Member (Term 2018/19) of AIESEC in Colombo North, University of Kelaniya
Served in volunteer initiatives aligned with Sustainable Development Goals (SDGs) 8 (Decent Work and Economic Growth) and 15 (Life on Land).

ACHIEVEMENTS

First Runners Up (Team) - Marketing Campaign Design Category 'InCo 2019' organized by the Department of Industrial Management, University of Kelaniya, Sri Lanka

INTERESTS

- Online Gaming
- Traveling
- Chess

EDUCATION

B. Sc. (Hons) in Management and Information Technology 2018 - 2022
- University of Kelaniya, Sri Lanka
- GPA 3.64 (out of 4.0) Second Class Upper Division

PROJECTS

Notification Center for "Arena" Medical Record System 2020 - 2025
- C# .NET 8.0, Blazor, Windows Services RabbitMQ, FCM/APNS, SignalR, Docker and Kubernetes
- A desktop application to deliver RabbitMQ-powered push notifications for patients and practitioners, along with a mobile subscriber module supporting FCM/APNS-based push notifications.

Norwegian Address Registry Integration Service 2023 - 2025
- C#, NET, Blazor, Oracle, SignalR
- A synchronization application to poll updates from the Norwegian National Health Registers and update demographic information of communication parties, enabling subscription-based syncing across all hospitals.

Lab Data Sync with QCN 2022 - 2024
- Oracle QRCN, .NET
- Developed web applications to distribute patient-critical and medical information. Utilized Oracle's Queue Change Notification (QCN) feature, which monitors database changes and triggers event-based push notifications to the application in real time, ensuring timely delivery of critical updates.

IM Portal (Web Application) 2020
- Knowledge sharing system created using MongoDB, ExpressJS, React and NodeJS (MERN Stack)

PROFESSIONAL QUALIFICATIONS

Microsoft Certified: Azure Developer Associate (AZ-204) Reading

LANGUAGE QUALIFICATIONS

IELTS ACADEMIC - Overall Band Score 6.5 2024
Listening - 6.5, Reading - 7, Writing - 6, Speaking - 7

REFEREES - AVAILABLE UPON REQUEST