Fredrich Irian Vilaga

Singapore | +65 92394404 | frvilaga@gmail.com

Professional Summary

Full-stack software engineer with 5+ years of experience delivering enterprise applications using .NET Core, C#, Azure, and SQL. Skilled in building applications from scratch based on business and stakeholder requirements, modernizing legacy systems, and designing scalable cloud and API-driven solutions. Experienced in DevOps practices, CI/CD pipelines, and automation, ensuring reliable delivery and faster time to market. Proven ability to lead teams, collaborate with stakeholders, and drive business impact through technology.

Work Experience

Deloitte Tax Solutions Private Limited, Singapore

Software Engineer – Senior Analyst – Tech Lead | Jul 2023 – Present

• Led migration of legacy VB.NET application to modern **C#, .NET Core, Blazor, and Azure**, improving performance and UX.
• Designed and implemented **RESTful APIs** to integrate internal systems with external platforms, enhancing interoperability.
• Built multiple enterprise applications **from scratch**, translating business requirements from stakeholders into scalable solutions.
• Automated manual processes with **Azure Functions**, saving 10+ hours weekly across the team.
• Integrated apps with SharePoint Online, streamlining workflows for 200+ users.
• Set up and maintained **CI/CD pipelines (Azure DevOps)** for automated builds, testing, and deployments.
• Mentored junior developers as tech lead, ensuring quality delivery and skills growth
• Developed **Tax Tracking System** for Deloitte GES (Global Employer Services), automating submissions to IRAS.
• Built **E-Filing System** enabling direct digital tax submissions to IRAS, reducing errors and ensuring compliance.
• Delivered **GCompass tool** for Deloitte's Immigration team, enabling quick assessment of candidate eligibility for Employment Pass (E-Pass).

Software Engineer – Analyst | Oct 2020 – Jun 2023

• Developed and supported internal applications critical to Deloitte's tax operations, improving reliability and adoption rates.
• Designed and optimized SQL databases using Entity Framework Core, reducing query time by 30%.
• Implemented and maintained **.NET Core web applications**, boosting operational efficiency for tax professionals.
• Built **API endpoints** to connect applications with Deloitte's internal services and client platforms.
• Partnered with cross-functional teams and clients to ensure alignment and successful delivery.
• **Contributed to DevOps pipeline improvements**, enabling faster releases and minimizing downtime.
• Actively participated in Agile Scrum practices to ensure smooth and timely project delivery.

Education

Oxford Brookes University – Bachelor's Degree (Hons) in Computer Science, First Class Honours

Certifications

Microsoft Certified: Azure Fundamentals (Issued May 2021)

Key Skills

• **Languages & Frameworks:** C#, .NET Core, Blazor
• **Cloud & Tools:** Microsoft Azure, Git, Entity Framework Core, **Azure DevOps**
• **Databases:** SQL, Microsoft SQL Server
• **Development:** Full-stack web development, **API design & integration**, Agile/Scrum
• **DevOps: CI/CD pipelines, automation, release management**
• **Soft Skills:** Leadership, stakeholder collaboration, cross-functional teamwork