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Summary

Highly motivated and detail-oriented lead software engineer with over 15 years experience in all aspects of the software development life cycle with a strong preference for hands-on development, architecture and technical problem-solving.

Proven ability to quickly learn and apply new skills in a pragmatic fashion to exceed expectations.

Experience that includes gathering requirements, designing, architecting and implementing websites, web service, databases and windows applications.

Ability to communicate effectively with individuals of all technical proficiency levels.

Over 10 years experience working in Agile environments (Scrum and Kanban) focusing on continuous improvement and delivering high-quality software.

Key Technical Skills

Languages: C#, TypeScript, JavaScript, HTML/CSS, SQL, PowerShell, Markdown

Development Tools: Visual Studio, Visual Studio Code, GIT, Azure DevOps, SQL Server Management Studio, Azure Data Studio, PowerBI Desktop, ReSharper*,* xUnit, MSTest, Moq, SpecFlow

Technologies: ASP.NET MVC, ASP.NET Web Services (WebAPI, WCF), SQL, Angular, AngularJS, DevExtreme

Cloud: Azure SQL, CosmosDB, Azure App Services, Azure B2C, Azure Blueprints, Azure Storage Accounts, Azure KeyVault, ARM Templates, Application Insights, PowerBI

Operating Systems: Windows XP thru Windows 11, Windows 7 and 8 Embedded, Windows Server 2003-2019, Linux, Android

Employment

Eurofins Lancaster Laboratories

Manager, LabAccess & Analytics   Apr. 2022-Current

Hands-on manager two small teams of software engineers, having frequent 1-on-1's, providing mentoring, training and support. Lead regular training sessions to share knowledge and emphasize continuous learning.

Responsible for all aspects (architecture, implementation, deployment, operations, L3 support) of the LabAccess Platform Suite, a B2B eCommerce solution.

Coordinated with cross-functional teams to resolve impediments, identify and address security issues and ensure timely project delivery.

Performed detailed code reviews with an eye towards leveling up developer skills and knowledge, personally developing new functionality as frequently as possible.

Oversee the Business Intelligence team which provides dashboards highlighting key business metrics and operational reports for all levels of management at Eurofins.

Led the transition from an on-premise solution using Pyramid Analytics & SSRS to a cloud-based solution using PowerBI and substantially optimized data flows.

Manage Azure infrastructure for solutions using Azure Blueprints and PowerShell automation.

Designed & implemented data and infrastructure segregation strategies to reduce security and availability impacts of security attacks.

Implemented several new platform updates and features, including a document sharing and collaboration platform, support for numerous new use cases in online order submissions, and migrating from ASP.NET Membership to Azure B2C for user authentication.

Modernizing the platform off of legacy technologies (.NET 4.x to. .NET 6+, Web Forms to ASP.NET MVC, WCF to REST, etc).

Team Lead, LabAccess   Sept. 2019-Apr. 2022
   Implemented support for clients submitting and tracking orders for testing online, developed using Angular,
      ASP.NET Web API and CosmosDB.
   Migrated LabAccess platform from on-premise infrastructure to being a cloud-native solution.
   Provided initial implementation, technical support and guidance to the QA team in setting up automated end-
      to-end automated test suites using SpecFlow.
   Implemented a B2B Web API for clients to be able to electronically retrieve results the moment they are
      released to directly import into their laboratory systems.

Principal Software Developer   June 2015-Sept. 2019
   Developing greenfield web based solution for managing global laboratory operations primarily using
      ASP.NET Web API, AngularJS and SQL Server.
   Recommended and implemented numerous improvements to development practices and patterns across
      multiple development teams in US and India.
   Led team to improve website responsiveness with over 20x performance improvements in key areas.
   Engaged in system architecture decisions and implementing reference examples of new patterns.

Advanced Workstations in Education
Senior Software Solutions Developer   Apr. 2008-May 2015
   Lead developer on all core products that are in over 45% of public libraries across the country.
   Implemented numerous tools to optimize business processes and provide business intelligence.
   Modernized several legacy products including adding support for mobile devices.
   Mentored developers through difficult programming tasks to assure a viable solution was achieved.
   Led product requirements discussions with the CEO and VP and formulated into actionable designs.
   Pushed the development team to continuously improve processes, tooling, and coding practices including
      adopting Scrum and test driven development.
   Implemented and maintained development tools and infrastructure.

SAP
Server Management Intern   Apr. 2007-Sept. 2007
   Installed and maintained servers in one of the largest data centers in the region.

Advanced Workstations in Education
Intern   Apr. 2005-Mar. 2008
   Developed the base code for what would become the company's flagship product.
   Provided technical support and trained co-workers on support processes.
   Performed Quality Assurance testing and certified hardware and software compatibility.

Awards
   Living Our Values Award: Oct, 2021
      Recognized for developing a project calculating carbon footprint data from employee commutes.
   Superlative Service Award: Aug, 2021
      Awarded for supporting the rapid implementation of LAWS for a COVID Vaccine project.
   IT Innovative Professional of the Year: 2017
      "Tim has been a leader in application optimization and best programming practices for the team. He has
      determined new patterns which have improved application performance in the C#. .NET frameworks and
      explained to the team how to implement. He has provided constructive feedback and mentored others in
      the team both in US and India while continuing to lead in story development efforts."

Education
Drexel University, Philadelphia, PA   Bachelor of Science in Information Systems
                                                      Minor: Business Administration