Thomas C. Downes

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Summary

Senior Programmer Analyst / Software Developer with 20+ years of experience developing, optimizing, and supporting enterprise applications and databases across healthcare, finance, and technology environments. Proven record of building scalable systems using **.NET, C#, SQL Server, PL/SQL, and SSIS**. Experienced in end-to-end software development, system integration, and data management. Adept at improving performance, ensuring data integrity, and leading modernization initiatives in both on-premises and cloud environments.

Skills

- C#, SQL development
- Application/UI programming
- Systems analysis
- Data conversion (EDI)
- Performance optimization
- RDBMS architecture
- ETL / SSIS
- Debugging and troubleshooting
- Problem solving
- Analytical thinking
- Attention to detail
- Process improvement
- Collaboration
- Adaptability
- Time management
- Communication

Experience

12/2023 - Current

Professional Sabbatical, **Various Roles**

- Earned an Associate of Science in Computer Science while maintaining technical proficiency through independent software projects.
- Co-founded a small business, managing IT systems, accounting, and data workflows.
- Delivered administrative and client-service support in healthcare and funeral-service environments.
- Completed professional training in accounting, finance, and data analysis to broaden business acumen.

04/2020 - 08/2020

Technical Lead, **Infosys Limited**, Palo Alto, CA

- Designed and implemented 15+ T-SQL stored procedures, improving SSIS data transfer efficiency by 25%.
- Maintained enterprise ASP.NET applications and optimized backend databases, reducing latency across distributed systems by 30%.
- Collaborated with users to gather requirements and develop SQL analysis reports, supporting business decisions.
- Utilized MS SQL Server, SSIS, Visual Studio, Azure DevOps, and SolarWinds for development and performance monitoring.

03/2016 - 12/2019

Programmer / Senior Software Engineer, **Card Integrators Corporation**, Los Alamitos, CA

- Led the modernization of the company's flagship application to the NET Framework, extending its lifecycle and improving performance by 40%.
- Implemented RFID functionality that expanded product capabilities and increased client adoption by 20%.
- Developed and optimized data upload and conversion tools using T-SQL and SSIS to streamline client onboarding.
- Authored system documentation and trained end users on data utilities, reducing support requests by 15%.

10/2012 - 01/2016
Manager of Applications Development / Applications Developer, **Alignment Healthcare**, Orange, CA

- Oversaw the design and maintenance of data-processing applications for healthcare claims (ANSI X12 837).
- Created and optimized more than 100 SQL Server stored procedures, improving reporting speed by 35%.
- Directed EDI and backend data integration projects between SQL Server and Salesforce.
- Maintained CMS-compliant websites using ASP.NET, HTML, and JavaScript.

05/2012 - 08/2012
Senior Software Developer, **LabCorp Of America, Inc.**, Irvine, CA

- Developed cancer-detection prototype application using C#, .NET 4.0, and WCF services.
- Collaborated with clinical experts to improve medical data visualization and reporting accuracy.
- Applied CAB (Composite Application Block) for modular design, improving maintainability of codebase.

02/2010 - 05/2012
Senior Software Developer, **SASCO, Inc.**, Fullerton, CA

- Designed middleware and WinForms applications for construction, telecom, and healthcare clients.
- Automated EDI and data conversions using T-SQL and VB.NET, cutting processing times by up to 50%.
- Built REST and SOAP-based integrations for Oracle databases using PL/SQL and XML/XPath.
- Enhanced performance monitoring and troubleshooting procedures, reducing production errors by 25%.

08/2011 - 02/2012
Senior Software Engineer, **MegaPath, Inc.**, Costa Mesa, CA

- Collaborated within a team to construct a robust WCF web service, serving as a middle-tier intermediary for seamless communication between other WCF web API services using Microsoft technologies such as NET/C# and MS Visual Studio.
- Demonstrated expertise in building scalable and efficient middleware solutions.
- Engineered a scheduled VB.NET console application proficient in processing XML data retrieved through web REST-API HTTP-GET requests.

- Implemented an intelligent update mechanism for an Oracle database, utilizing stored procedures (Oracle PL/SQL) and XPath to parse XML content.
- Worked closely with project partners to conduct system analysis and design, aligning solutions with client specifications.

01/1995 - 01/2010

Applications Developer / Software Engineer, **Earlier Career**, US

- **CareMore Medical Enterprises:** Developed CRM application used by 60+ users daily, managing 26,000+ patient accounts. Improved database performance with stored procedures and constraints, reducing data errors by 40%.
- **MedPlus, Inc.:** Maintained hospital data applications using Oracle PL/SQL and VB6; implemented data-exchange automation to streamline workflows.
- **Selective Software Plus / USDA / J.D. Power:** Built SAS and SQL reporting tools for financial and consumer data; designed automation scripts improving report accuracy and turnaround time.
- **Atwood & Co., Consulting Actuaries:** Developed actuarial data models and automated spreadsheet processes, improving data entry efficiency by 30%.

Education

11/2025
Associate Of Science, Accounting & Business *Orange Coast College*, Costa Mesa, CA

12/2023
Associate Of Science, Computer Science
Orange Coast College, Costa Mesa, CA

Linkedin & Git-hub

- https://www.linkedin.com/in/thomas-downes-ab3ab010/
- https://github.com/tdownes57

Tests And Certificates

- GRE General Test, 168/170, 98th, 01/09/24
- Data Analysis in Finance, 08/01/22
- Certificate of Achievement, C++, 12/01/23
- Learning How to Learn, 02/01/24
- QuickBooks Online Not for Profit Organizations, 08/01/25

Technical Skills

- **Languages:** C#, VB.NET, C++, Python, Java, SQL, PL/SQL
- **Databases:** Microsoft SQL Server, Oracle
  Frameworks/Tools: SSMS, SSIS, Visual Studio, Azure DevOps, Power BI, SolarWinds
- **Web & Middleware:** ASP.NET, WCF, Web APIs, HTML, CSS, JavaScript
- **Data Management:** EDI, Data Migration, Data Modeling, RDBMS Design
- **Methodologies:** SDLC, Agile, SCRUM, Source Control (TFS, Git)
- **Other Tools:** Excel, VBA, QuickBooks, Cognos, TOAD