Daniel Silion

# Sr. Manager, Software Engineering

# Contact

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# Summary

ScrumMaster, PMP, CUA, MCTS, AWS and Six Sigma Green Belt Professional certified R&D, Sr Product and Development Manager, and Software Architect with over 20 years of experience in architecting, designing, and developing mobile, web, and desktop solutions. Specialized in architecting scalable cloud-native SaaS Healthcare solutions with microservice architecture and large-scale on-premise projects, including Financial and Laboratory management systems. Proven expertise in managing software development teams, driving quality, and optimizing SDLC processes.

## Technology Summary

AWS, .Net Framework, .NET Core, ASP.NET Core, Entity Framework Core, SignalR, C#, Xamarin, React JS, Angular, TypeScript, Microservices, Docker, Serverless computing, CI/CD, HL7 FHIR, REST API, gRPC, GraphQL, Machine Learning.

Design Patterns: Repository, Unit of Work, Domain Driven Design (DDD), Command Query Responsibility Segregation/Event Sourcing (CQRS/ES).

Medical Device Industry Compliance: ISO 13485:2016, ISO 13485:2003, ISO 27001:2013, ISO 9001:2008, ISO 9001:2015, ISO 14971:2019, ISO 15189, CLIA, CAP, GxP, ICH, HIPAA, GDPR, CFR 21 Part 11, 21 CFR Part 820, NATA, NeHTA, IEC 62304.

# Experience

## Sr. Manager, Software Engineering

Capital One | May 2022 - Present (1 year 3 months)

- Lead software development teams within Developer Navigator enterprise solution, optimizing SDLC processes and ensuring quality software delivery.

- Managed the implementation of DevNav, a managed pipeline for both non-prod and prod environments with full orchestration of CI/CD using AWS services, GitHub Enterprise, Jenkins, Docker, ECS, Fargate, and more.

- Collaborated with cross-functional stakeholders to deliver customer-centric and scalable solutions.

## Manager, Mobile Applications

Abbott | May 2021 - Apr 2022 (1 year)

- Led the Digital Product Engineering organization, defining the vision and roadmap for Abbott's Neuromodulation Product Apps and Services.

- Spearheaded the development of Clinician Programmer and Patient Controller apps for Neuromodulation devices, ensuring compliance with FDA and worldwide regulatory standards.

## R&D Manager | Principal Software Architect

Abbott | Jan 2017 - May 2021 (4 years 5 months)

- Provided technical leadership and expertise across the software development life cycle, guiding teams in the design, development, testing, and deployment of regulated medical device solutions.

- Successfully adhered to compliance standards and developed products in alignment with ISO and other regulatory requirements.

## Software Engineering Manager

Abbott | May 2012 - Dec 2016 (4 years 8 months)

eyeNet

- Developed web-based solutions for systems interoperability, focusing on software architecture, ASP.NET Web API, MVC, and other relevant technologies.

## Software Product Manager / Project Manager

Abbott | Dec 2003 - Mar 2010 (6 years 4 months)

Starlims

- Managed the SUNRISE product, a web-based laboratory information management system for Public Health Laboratories and Centers of Disease Control.

- Oversaw customer projects and coordinated core product and client project implementations.

## Software Engineer

Elsaco | Jun 2002 - Dec 2003 (1 year 7 months)

- Developed multiple Web applications in PHP and desktop applications in Visual Basic with various RDBMS support.

## Software Engineer

InfoTip | Apr 2001 - Jun 2002 (1 year 3 months)

- Developed multiple Delphi applications with various RDBMS support.

## Software Engineer

Electrocontact | Jan 2001 - Mar 2001 (3 months)

- Developed Visual C++ applications.

## Software Engineer / Network Administrator

Transilvania Consult | Aug 2000 - Dec 2000 (5 months)

- Managed network administration and website development and maintenance.

# Education

## Universitatea „Alexandru Ioan Cuza” din Iași

Bachelor's degree, Computer Science | 1996 – 2000

# Certifications and Training

## AWS Certified Solutions Architect – Associate (Amazon Web Services)

## CUA (Certified Usability Analyst) (HFI - Human Factors International)

## PMP (Project Management Professional) (PMI)

## MCTS (Microsoft Certified Technology Specialist) (Microsoft)

## Certified ScrumMaster (Scrum Alliance)

## Six Sigma Green Belt Professional (6sigmastudy.com)

# Continuing Education

## Machine Learning A-Z™: AI, Python & R + ChatGPT (Udemy Alumni)

## Ultimate AWS Certified Solutions Architect Associate 2022 (Udemy Alumni)

## Microsoft Azure Architect (Microsoft Learn)

## Microsoft Azure (LinkedIn Learning)

## Certified Secure Software Engineer - Associate (Capital One - Tech College)