

# Bart van Tuil

## Expert Software developer

### SUMMARY

- With over a decade of progressive experience in software development and leadership, the engineer showcases a rich portfolio of technical expertise and successful project executions. - Holding a strong foundation with an Engineering degree in Computer Science, the individual commands an authoritative understanding of software architecture, security, and diverse programming languages including C#, .NET frameworks, and RESTful services. - Proven leadership as a team lead is evident in guiding teams to craft tailored hardware and software solutions. - Credentialed with Microsoft certified professional developer and technology specialist certifications, the candidate applies industry-standard methodologies such as Agile/Scrum and Azure DevOps to drive software development lifecycle. - A practical problem-solver, they prioritize maintainability and user-centric design, underpinned by a philosophy of 'fail-early' principles and direct communication.

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	.NET (5 yr.), C (5 yr.), Microsoft SQL Server (5 yr.)
<b>Programming Languages</b>	C (5 yr.), Java, JavaScript
<b>.NET Platform</b>	ASP.NET MVC, ASP.NET Web API (5 yr.), Azure (5 yr.), Dapper, Entity Framework, .NET (5 yr.), Visual Basic .NET
<b>JavaScript Frameworks</b>	jQuery
<b>Databases &amp; Management Systems / ORM</b>	Data Lake, dbt, Microsoft SQL Server (5 yr.), T-SQL
<b>UI Frameworks, Libraries, and Browsers</b>	CSS, HTML, jQuery, LESS
<b>Cloud Platforms, Services &amp; Computing</b>	AWS, Azure (5 yr.)
<b>Azure Cloud Services</b>	Azure Arm templates, Azure Blob Storage, Azure DevOps
<b>SDK / API and Integrations</b>	ASP.NET Web API (5 yr.)
<b>Deployment, CI/CD &amp; Administration</b>	Azure Arm templates, Blazor
<b>Version Control</b>	Git
<b>Methodologies, Paradigms and Patterns</b>	Scrum



## WORK EXPERIENCE

### Founder, Freelance Developer, Various independent projects

**Duration:** Present

**Summary:** Operates as a founder of Digital Foundry working on publishing and developing software and hardware solutions, and automation prototyping.

**Responsibilities:** Freelance developer and creator of customized and off-the-shelf hardware and software solutions.

**Technologies:** C#, .NET (Framework, 6, 7), REST & Web Services, Azure Infrastructure & Services, Containerisation & IaaS, Serverless Apps, Hardware Development, PCB Design, Prototyping

### Architect, Lead Developer, Development and maintenance of national education platform

**Duration:** 2018-2022 (5y)

**Summary:** Guided the development and maintenance of a national education monitoring platform, from requirement specification to implementation, and supported junior and medior colleagues.

**Responsibilities:** Identified customer requirements, designed functional and conceptual models, developed technical designs, oversaw development, and maintained stakeholder communication.

**Technologies:** .NET, Azure, MS SQL, Blob storage, Data Lake, DBT, Entity Framework, Dapper, .NET MVC, HTML, CSS/Less, JavaScript & JQuery, client-side templating, Agile (Scrum/AUP), CI/CD, ATAM, 4+1 VM, BPM, UML, Archimate (informal)

### Team Lead, Developer, Redevelopment of property management software

**Duration:** 2016-2017 (1½y)

**Summary:** Led the redevelopment of property management software, focusing on maintainability and scalability, and mentored developers during the technical implementation.

**Responsibilities:** Architected system, reverse-engineered legacy software, led technical development, and ensured adoption of development philosophy among team.

**Technologies:** .NET Framework, .NET Core, Azure, MS SQL, Blob storage, .NET MVC, HTML, CSS/Less, JavaScript/jQuery, client-side frameworks (SPF, later Angular), Agile (Scrum), ATAM, 4+1 VM, BPM, UML, partly Archimate

### Architect, Developer, Software solutions for automotive industry

**Duration:** 2013-2016 (3y)

**Summary:** Setup the entire architecture for software solutions in the automotive industry, leading the implementation from functional requirements to delivery.

**Responsibilities:** Developed platform-wide solutions as an architect, handled information security, guided restructuring of development methodologies.

**Technologies:** .NET Framework, SaaS, MS SQL, .NET MVC, HTML, CSS/Less, JavaScript/jQuery, Agile (Scrum/AUP), 4+1 VM, BPM, UML, informal DDD, AUP

## EDUCATION

- **Hogeschool Zeeland, Engineering degree**

Engineering degree Computer science: software development with Information security minor



## CERTIFICATION

- **Microsoft certified professional developer MCPD 4.0**  
Designing and developing web applications with .NET 4
- **Microsoft certified technology specialist**  
Web applications with .NET 4
- **MCTS: WCF web development with .NET 4**
- **MCTS: Accessing data with .NET 4**

