

# PAUL SPENCER

Software Engineer

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## Summary

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Software engineer with nearly three decades of delivering innovative solutions across fintech, energy, and govtech sectors, including 13 years specialized in .Net technologies. Completed a Master's in Software Engineering in 2022 while maintaining full-time employment. Currently architecting AI and emerging technology solutions while maintaining focus on practical business outcomes. Hardworking, adaptable and committed to continuous professional development.

## Experience

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### **Khonraad Software Engineering**

*Lead AI and Emerging Technologies Architect*

*Amersfoort, The Netherlands*

*Apr 2019 – Present*

Technologies: Kotlin, Java, C#, Azure, OpenAI, Kotlin Multiplatform, JetBrains MPS, Python

- Developer for production and innovation projects for mental health Laws
- An example innovation project was A RAG chatbot, using .Net and Azure

### **Captain McFunshines Software Engineering**

*Freelance Software Engineer*

*Soest, The Netherlands*

*Aug 2019 – Present*

Technologies: Kotlin, Azure, AWS, OpenAI, Kotlin Multiplatform, Python

- Architect and developer of a new audio reversioning platform
- Five-month .Net consultancy engagement with Baker Hughes

### **Baker Hughes**

*Senior .Net Developer*

*Delft, The Netherlands*

*Jan 2014 – Apr 2019*

Technologies: C#, SQL Server

- Member of team that developed the SDK and API for the JewelSuite platform
- Served as principal technical contact for external developers building JewelSuite extensions
- Senior .Net contractor, managing quality and delivery of an offshore team

### **Kempen & Co**

*Senior .Net Developer*

*Amsterdam, The Netherlands*

*May 2007 – Dec 2013*

Technologies: C#, K2, SQL Server, VBA

- Delivered training on Entity Framework, Linq and Unit Testing/TDD
- Maintained and enhanced property securities indexing engine
- Developed application for maintaining and trading complex structured products
- Authored K2 Workflow (WWF) systems of business-critical processes

**Unisys**  
*Developer*

*Schiphol Rijk, The Netherlands*  
*May 2001 – May 2007*

Technologies: VBA, WebIntelligence, C#

- Reporting developer for world wide Accounts Receivables
- Achieved first Microsoft Certification and implemented small internal C# projects

**ACT Financial Systems**  
*Developer*

*London, UK*  
*Nov 1999 – Apr 2001*

Technologies: PICK, Databasic, Universe, Visual Basic 6

- Developer and supporting Engineer for a stockbroking settlement system
- Thirdline support for OMS a Visual Basic 6 wrapper on our settlement system

**HSBC Investment Bank**  
*Developer*

*London, UK*  
*Feb 1999 – Nov 1999*

Technologies: PICK, Databasic, Universe

- Developer for message processing, report writing, and screen handling programs

**Lloyds Bank Stockbrokers**  
*Support / Business Analyst*

*London, UK*  
*May 1997 – Feb 1999*

Technologies: PICK, Databasic, Universe, VBA, Visual Basic 4

- Support and Report Developer for internal customers
- Took Visual Basic 4 night classes and thereafter implemented small internal projects

## Education

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**Universiteit van Amsterdam**  
*Masters Software Engineering*

*Amsterdam, The Netherlands*  
*Graduated 2022*

Relevant Module: *Software Construction - I created two interacting Domain Specific Languages using C#*

Note: *Completed while maintaining full-time employment*

**Wolverhampton University**  
*BA European Business Administration*

*Wolverhampton, U.K.*  
*Graduated 1996*

**Hogeschool Holland**  
*HEAO Joint European Business Administration*

*Amsterdam, The Netherlands*  
*Graduated 1996*

## Certifications

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The Following Microsoft Professional Certifications:

- MCPD D425-8639 Windows Developer
  - MCPD D418-3946 Windows Azure Developer (Charter Member)
  - MCPD D415-8350 Web Developer
  - MCPD A941-2480 Windows Developer
  - MCPD A941-2479 Web Developer
  - MCT D423-9678 .NET Framework, Windows Applications
  - MCT D413-5519 .NET Framework, Data Access
  - MCT D410-3346 .NET Framework, Web Applications
  - MCT D404-5594 .NET Framework, Service Communication
  - MCT A941-2481 .NET Framework, Windows Applications
  - MCT A941-2482 .NET Framework, Web Applications
  - MCSD C020-3599 Microsoft .NET
  - MCAD C020-3597 Microsoft .NET
  - MCP D020-3593 Microsoft Certified Professional
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- Nederlands Als Een Tweede Taal (NT2) Niveau 2

## Languages

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- **English:** Mother Tongue
- **Dutch:** Fluent spoken, listening and reading, intermediate written