

# 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. For the past half decade, focused on Java/Kotlin development and AI solutions. 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.

## 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

- Updated software to comply with new laws within core Java product development team
- Responsible for complete development lifecycle of the innovation projects, including:
  - A full-featured iOS and Android App using Kotlin Multiplatform with OpenAI integration
  - OCR integration solutions
  - Domain-specific language extension for Decision Engine using JetBrains MPS

### **Captain McFunshines Software Engineering**

*Freelance Software Engineer*

*Soest, The Netherlands*

*Aug 2019 – Present*

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

- Developed Podmorph, an AI-powered solution for podcast and radio professionals
- Integrated multiple AI services (Anthropic, Google AI, OpenAI, Groq, Replit, Fal AI) deployed on AWS and Azure

### **Baker Hughes**

*Senior .Net Developer*

*Delft, The Netherlands*

*Jan 2014 – Apr 2019*

Technologies: C#, SQL Server

- Development and Product Evangelist of a subsurface modelling platform for the oil industry

### **Kempen & Co**

*Senior .Net Developer*

*Amsterdam, The Netherlands*

*May 2007 – Dec 2013*

Technologies: C#, K2, SQL Server, VBA

- Various internal projects to manage large portfolios and indexing products

**Unisys**  
*Developer*

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

Technologies: VBA, WebIntelligence, C#

- Responsible for developing reporting for world wide Accounts Receivables

**ACT Financial Systems**  
*Developer*

*London, UK*  
*Nov 1999 – Apr 2001*

Technologies: PICK, Databasic, Universe, Visual Basic 6

- Responsible for developing and supporting a popular stockbroker settlement system

**HSBC Investment Bank**  
*Developer*

*London, UK*  
*Feb 1999 – Nov 1999*

Technologies: PICK, Databasic, Universe

- Developed 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 Development for internal customers

## Education

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

*Amsterdam, The Netherlands*  
*Graduated 2022*

- Thesis: *Projecting Rules: Improving Comprehension of Business Rules with Projectional Editing*  
Making the Drools DSL Projectional with MPS
- Relevant Module: *Software Evolution - Used language workbenches to measure the evolution of a large Java codebase*

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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- 15 Microsoft Certifications including 5 MCPDs in Windows, Web and Azure
- Nederlands Als Een Tweede Taal (NT2) Niveau 2

## Languages

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