

PAUL SPENCER

Software Engineer

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Summary

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. Hardworking, adaptable and committed to continuous professional development.

Experience

Khonraad Software Engineering

Lead Emerging Technologies and AI 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

- Developer 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#

- Reporting developer for world wide Accounts Receivables

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

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

Education

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

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

Languages

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