

# PAUL SPENCER

Software Engineer

☎ +31 6 46 395 141  
✉ spencerpj@gmail.com  
in linkedin.com/in/spencerpj  
🌐 spencerpj.com  
🔗 github.com/McFunshine  
📍 Amsterdam, The Netherlands  
🚩 British and Irish

## Summary

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A software engineer with a passion for programming with nearly three decades of history of producing solutions in the financial, energy and GovTech.

## Experience

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### Khonraad Software Engineering

*Amersfoort, The Netherlands*

*Lead AI and Emerging Technologies Architect*

*Jan 2024 – Present*

*Head of Innovation*

*Feb 2020 – Jan 2024*

*Software Engineer*

*Apr 2019 – Aug 2019*

- Built and deployed production-ready chatbots using Python, C#, Azure, and OpenAI
- Handled complete development lifecycle from architecture to implementation
- Independently developed full-featured iOS and Android application using Kotlin Multiplatform with OpenAI integration
- Spearheaded development of custom Android application and OCR integration solutions
- Created domain-specific language extension for Decision Engine using JetBrains MPS
- Maintained development responsibilities within core Java product team
- Updated software to comply with new laws using property-based testing
- Implemented solutions using Java and Haskell

### Captain McFunshines Software Engineering

*Soest, The Netherlands*

*Freelance Software Engineer*

*Aug 2019 – Present*

- Designed and developed Podmorph, an AI-powered solution for podcast and radio professionals
- Integrated multiple AI services (Anthropic, Google AI, OpenAI, Groq, Replit, Fal AI) using Kotlin Multiplatform
- Built cloud infrastructure spanning AWS and Microsoft Azure
- Completed six-month consultancy engagement with Baker Hughes

### Baker Hughes

*Delft, The Netherlands*

*Freelance Software Engineer*

*Aug 2019 – Dec 2019*

*JewelEarth Platform Evangelist*

*Oct 2015 – Apr 2019*

*Senior .Net Developer*

*Jan 2014 – Oct 2015*

- Helped developers extend and integrate the JewelSuite ecosystem
- Developed and delivered training to ecosystem partners worldwide
- Presented development tools at conferences and helped onboard partners

- Designed platform support procedures and set up support department

## **Kempen & Co**

*Senior Developer*

*Developer*

*Amsterdam, The Netherlands*

*Dec 2009 – Dec 2013*

*May 2007 – Dec 2009*

- Improved company's software development technology portfolio and processes, helping move toward Agile techniques
- Delivered training on Entity Framework, Linq and Unit Testing/TDD to the team
- Maintained and enhanced property securities indexing engine, facilitating doubled subscription base with halved man-hour cost
- Developed application for maintaining and trading complex structured products, enabling trading of instruments worth hundreds of millions of Euros monthly
- Authored several K2 Workflow systems, reducing errors and increasing throughput of business-critical processes

## **Unisys**

*Report Developer / Accounts Receivable*

*Amsterdam, The Netherlands*

*May 2001 – May 2007*

- Responsible for reporting Accounts Receivables activity worldwide using WebIntelligence, Access, Excel, and VBA
- Increased monthly output of reports eightfold while halving man-hours
- Go-to person for fast turnaround ad hoc and recurring reports used for board-level decision making
- Promoted three months after starting the role

## **ACT Financial Systems**

*Support Analyst / Developer*

*London, UK*

*Nov 1999 – Apr 2001*

- Supported and developed FISCAL, a bespoke multi-currency, multi-market settlement system for stockbrokers
- Used Universe Databasic (PICK) to solve business, procedural, functional and technical problems
- Successfully investigated and remedied software bugs and data corruption within SLA time limits
- Improved company image with all customers

## **HSBC Investment Bank**

*Junior Programmer*

*London, UK*

*Feb 1999 – Nov 1999*

- Developed message processing, report writing, and screen handling programs

## **Lloyds Bank Stockbrokers**

*Support / Business Analyst*

*London, UK*

*May 1997 – Feb 1999*

- Implemented, tested and supported various third-party and in-house projects
- Successfully met regulatory deadlines while reducing overall costs
- Developed reports on the Fiscal Settlement System

## Education

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### **Universiteit van Amsterdam**

*Masters Software Engineering*

*(Completed while maintaining full-time employment)*

*Amsterdam, The Netherlands*

*Graduated 2022*

### **Wolverhampton University and Hogeschool Holland**

*BA Hons (2:1) and HEAO in European Business Administration*

*Graduated 1996*

## Certifications

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

## Languages

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