

PAUL SPENCER

Software Engineer

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📍 Amsterdam, The Netherlands
🚩 British and Irish

Summary

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

Experience

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

Universiteit van Amsterdam*Masters Software Engineering**(Completed while maintaining full-time employment)**Amsterdam, The Netherlands**Graduated 2022*

Certifications

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

Languages

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