

Peter Schmidt, Ph.D.

Podcaster and Software Architect/Engineer
London, U.K.

Since Jan 2021	Podcast Host & Producer <i>Code for Thought podcast</i> Podcasting for research, education and the community of research software engineers
Dec 2019 - June 2023	University College London, UK <i>Senior Research Software Engineer and Podcaster</i> Deliver sustainable software solutions for research projects (Python, JavaScript/React, Swift) Lead and mentor small team of engineers
June 2013 - Nov 2019	Elsevier Ltd, London, UK <i>Solutions Architect and Mobile Team Manager</i> Optimised search solutions for digital products (ElasticSearch) and cloud solutions (AWS). Led a mobile team to deliver the Mendeley mobile app (iOS/Android).
May 2012 - May 2013	Alfresco Software Ltd, Maidenhead, UK <i>Senior iOS Engineer</i> Develop and deliver the Alfresco iOS app, contribute to the Apache open source OpenCMIS project
Jul 2007 - Apr 2012	Symbian/Nokia, London, UK <i>Engineering and Operations Manager</i> Led large inhouse engineering and offshore contracting teams. Managed operations of part of the Symbian OS (audio/graphics)
Jan 2005 - Jun 2007	Sibelius/Avid, London, UK <i>Scrum Master, Senior Software Engineer</i> Responsible for the development (C++) delivery of foreign language versions and the Sibelius web app "Scorch"
Dec 2000 - Dec 2004	Sony, Basingstoke, UK <i>Agile Team Lead, Senior Software Engineer</i> Responsible for delivering innovative R&D digital media solutions based on C++/Java, XML/XSLT. Contributor to the IEEE on the MXF media format standard
May 1997 - Nov 2000	Royal Brompton Hospital, London, UK <i>Research Fellow Medical Imaging/Physics</i> Developing and delivering medical image solutions in Java/C++ for a clinical research project.
Jan 1991 - Apr 1997	Universität Hamburg, Germany <i>Research Fellow, Ph.D. student, tutor</i> Research on experimental particle physics (CERN), tutoring undergraduate students, maintenance of large complex software packages (FORTRAN/C++)

General Info

Telephone
(+44) 07748 185496

Email
code4thought@proton.me

GitHub/GitLab
pweschmidt

Code for Thought

Youtube @code4thought

Twitter
@Code_4_Thought

Nationalities
German, British

Languages

- English (fluent)
- German (native)
- French (B2)

Skills

Management

- Project Management
- Agile (Scrum/XP)
- Team leading/building
- Mentoring

Recent Technologies

- Python, JavaScript, Java, React, Swift
- AWS, Terraform
- Docker, Jupyter, XCode, git...

Education

Ph.D. Physics, Uni. Hamburg (1996)
B.Sc. Molecular Biology, Birkbeck College, London (2005)

PUBLICATIONS

- An Energy Efficient Implementation of Differential Synchronisation on Mobile Devices – (V. Pammer, J. Simon, P. Schmidt), *Mobiquitous London* **2014**
- File Formats for Storage, chapter 2.9 Chapter in 'Broadcast Engineer's Reference Book,' Focal Press/Elsevier **2004** (Editor Joe Tozer) p. 265-277
- XML Based Dictionaries for MXF/AAF applications *IBC* **2002** – P Schmidt, G Sylvester-Bradley, D Beenham (paper and presentation)
- Conversion factors for the estimation of effective dose in paediatric cardiac angiography *Phys. Med. Biol.* **45** (**2000**), 3095 – 3107, P Schmidt, D Dance, E Castellano, C Skinner, J McNeill
- Estimation of radiation induced risk in paediatric cardiac angiography *European Congress of Radiology, Vienna* **2000** (p.151), P Schmidt, D Dance, E Castellano, C Skinner, J McNeill, E Shinebourne.
- Ph.D. Thesis: Study of proton-antiproton annihilation to $\pi^0 K^+ K^-$ (Crystal Barrel experiment/CERN – Universität Hamburg, 1996)

Membership

Since 2020

Society for Research
Software Engineering, UK

Fellowship

Since 2021

Software Sustainability
Institute, UK