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Work Experience

Finkhäuser Consulting, Weßling, Germany

Software Architecture & Engineering

01/2014 - present

<http://www.finkhaeuser.de/>

Software consultancy as before, but based in Germany.

- At Lesson Nine GmbH, introduced a testing strategy, BDD and test automation tools. Developed further test automation tools and test suites, and formed a test automation chapter to continue the work.
- At Chrono24, worked on improving the Android app with a focus on improving the technological base. Also contributed to introducing better workflows for mobile development and testing.
- With WebWeaving, conduct technical due diligence work.

spriteCloud B.V., Leiden/Amsterdam, The Netherlands

Founder/CTO

08/2010 - 10/2015

<http://www.spritecloud.com/>

spriteCloud offers software quality assurance services with a focus on test automation, performance & load testing and mobile testing.

- Product management and lead development on <https://calliope.pro>, spriteCloud's own test automation product.
- Client: VPN technology for Android CrowdRoaming crowd-sourced roaming app.
- Client: Android NHK WORLD TV video streaming client via for StreamHub/fivecool.

Freelance, Colchester, UK

Software Architecture/Engineering/Consulting

07/2009 - 06/2011

<http://www.finkhaeuser.de/>

Specializations include iOS, Android and high performance networking, including P2P. API design and project lead usually included in projects.

- PlayAndroid: Android games store for Rumble Media GmbH.
- audioBoom: Android podcasting app for AudioBoo Ltd.; includes native audio recording and analysis.
- Nutrisystem: iOS app for Wellness Layers, Inc.
- New Breeders: Android white-label app for Sogeo Company; includes AR features.

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Work Experience (continued)

Joost UK Ltd, London, UK 01/2008 - 07/2009
Senior Software Engineer <http://www.joost.com/>

Emphasis on portable networking code, UDP/IP, C/C++, multi-threading and integration with Skype's P2P stack.

- Development of the Peer-to-Peer (live and on-demand) streaming layer on which Joost's IPTV service used to build.
- Principal developer of the Joost iPhone client, an app with over 1.1 million downloads.
- Sole developer of the Joost Android client.

Joost Technologies B.V., Leiden, The Netherlands 01/2007 - 12/2007
Senior Software Engineer <http://www.joost.com/>

Same position as at Joost UK, but under contract with the Dutch office.

Amator Veritas Verlag, Siegburg, Germany 05/2002 - 08/2007
Managing Director/Associate <http://www.amator-veritas.de/>

Amator Veritas Verlag is an independent publishing house, started to publish lesser known authors with the intent of providing them a stepping stone towards building out a career. Due to the small size of the company, the work included everything from editing, typesetting, bookkeeping to managing both artists and all other aspects of the company. It became impractical to continue in this position when I moved to the UK.

Astaro AG (now part of Sophos), Karlsruhe, Germany 11/2005 - 12/2006
Software Architect <http://www.astaro.com/>

Development of the Astaro Command Center, a web-based administration suite for large numbers of Astaro's unified threat management appliances. Emphasis on scalable C++ architecture, multi-threading, STL/Boost, XML-RPC.

WEB.DE AG, Karlsruhe, Germany 11/2002 - 10/2005
Software Developer <http://www.webde.de/>

Part of the core technology team at Germany's largest (at the time) web portal; responsibilities included:

- Development of web application servers based on the Apache HTTP server.
- Development of central components for other teams' use.
- Development of RPC servers.
- Technology consultant to other teams.
- "Competence centre" for WebDAV, Subversion technologies.

Emphasis on C++/Python, Webserver architecture, Apache modules, IPC, Databases, tech evangelist role within the company. *The WEB.DE brand has since been bought by 1&1 Internet which also operates in the UK.*

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Work Experience (continued)

Sevenval AG, Köln (Cologne), Germany

12/2000 - 06/2002

Software Developer

<http://www.sevenval.com/>

Sevenval AG develops various products based on its patented Filtering Integration Technology (FIT), a web proxy that allows on-the-fly merging of websites.

- Led the team to design and implement the management/reporting frontend for FIT installations.
- Design of a simple messaging protocol for interprocess communication in FIT clusters.
- Integration of a Macromedia (Adobe) Flash file parser into FIT.

Emphasis on PHP, C, Apache modules.

Zivildienst (Conscription)

01/1998 - 02/1999

Germany has conscription for male citizens. Men are obliged to serve in the military for a set amount of time, but can make conscientious objections to such service and instead perform civilian service.

Until mid 1998 I worked as a driver and janitor in the Kinderdorf (children's village) Hollenberg, Lohmar. The rest of the term I served with the MSHD (mobile social emergency service) of the Arbeiter-Samariter-Bund, Troisdorf.

Education

b.i.b., Bergisch Gladbach, Germany

1999 - 2001

Staatlich geprüfter Informatikassistent Fr. Multimedia

*(certified computer science assistant with multimedia specialisation)*Final grade 1.6 (*1 = best pass, 4 = worst pass, 5/6 = failure*)

Städtisches Gymnasium Alleestraße, Siegburg, Germany

1994 - 1997

Abitur/allgemeine Hochschulreife (*A-level equivalent*)

A-levels English, Mathematics, Computer Science, Physics

Final grade 2.5 (*1 = best pass, 4 = worst pass, 5/6 = failure*)

Hampstead School, London, UK

1993 - 1994

A-levels English Literature, Mathematics, Computer Science

Did not stay in the UK long enough to graduate.

Städtisches Gymnasium Alleestraße, Siegburg, Germany

1987 - 1993

Grundschule, Lohmar, Germany

1983 - 1987

Skills

Programming Languages

C/C++ (STL, Boost, Template Metaprogramming)

Python

Ruby

Node.js/JavaScript

Java

PHP

Perl

plus Lua, Pike, x86 assembly, Objective-C, Swift, ...

Development Platforms

Linux

Android

iOS

OS X

Windows

Rails

plus OpenBSD, FreeBSD, ...

Protocols

P2P

TCP+UDP/IP

HTTP/WebDAV

SMTP/POP3

plus XMPP, DNS, IMAP, SSL/TLS, ...

Markup

XML/HTML + CSS

T_EX/L^AT_EX

RPC/RMI Technologies

JSON

Protobuf

Web Services

plus XML-RPC, CORBA, ICE, custom protocols, ...

Build Tools

(GNU) Make

Autotools

SCons

plus imake/xmkmf, custom automated builds, RPM, APT, ...

SCM Tools

Git

Subversion

Monotone

Mercurial

plus CVS, arch/darcs, ...

Miscellaneous

Unit & integration testing

Test Automation

Debugging

Profiling

Language bindings

Cryptography

Amazon AWS

OpenGL

SQL/NoSQL

Languages

German fluent

English fluent

Italian beginner

Romanian beginner

Affiliations

British Mensa 03/2008 - 03/2009

Mensa in Deutschland 08/2006 - 03/2008

Work Permit

As a German citizen, I do not require a work permit anywhere in the European Union and European Economic Area.