Nils Gösche

Dipl.-Math, Senior Software Developer

I have been an enthusiastic programmer since childhood. Today, I am mostly interested in networks, databases, and Cloud development
Born .1970-03-23 in Langenhagen, Germany

Experience

Since 2016
Senior Software Developer Foxit *Europe GmbH*
Design and implementation of distributed server systems for

Large scale document management and transformation

2008-2016
Senior Software Developer *LuraTech GmbH*

Design and development of a solution to automated recognition and

Data extraction of free format forms

Design,development,and implementation of a distributed server

system for the system for workflows in Scanning processes and document management and processing. Design und implementation of a scalable distributed system for mass conversion and compression of documents. Development of web apps for configuration of same as well as an inhouse solution for license management. Maintenance and development of existing solutions for compression and conversion of documents to PDF/A.

Port of the distributed system for mass compression and conversion of documents to the *Azure* cloud. Development of adapter systems for integration of the server systems into existing customer systems.

Maintenance and extension of image compression libraries.

Support and maintenance

Education

1989-1998
Majored in Mathematics and Physics and obtainedDiplom-Mathematiker degree, Grade "Very good".
Technische Universität Berlin

Abilities

- Problem analysis
- Creative problem solving
- Abstraction and simplification of complex systems
- Relational databases
- Relational model.
- SQL
- PostgreSQL, MSSQL Server
- Entity Framework

- ADO.NET

- ASP.NET

- ASP.NET MVC

- jQuery, bootstrap

Leadership of a team for further

development of the workflow solution.

2005-2008
Embedded Software Developer *Funkwerk Enterprise Communications*
Maintenance and development of IP routers. ISDN pbx's and VoIP gateways. Porting of Linux to these devices.

2001-2004
Software Developer *Elmeg Communication Systems*
Umbau einer ISDN Telefonanlage zu einem Linux-ISDN-Router

Und Portierung der Pbx Firmware *nach Linux*.

2000-2001 Embedded Software Developer *Anylinx GmbH*
Development of an ISDN router for Bluetooth. Programming of a Ti 5402 DSP for detecting DTMF tones.

1997-2000 Software-Entwickler *TELES AG*
Win32 API software for configuration of an ISDN card

C++/MFC Software for configurationof a Windows NT-based ISDN Pbx.

Gerätetreiber und Steuerdienste für die NT-Pbx.

VoIP over H.323for the NT-Pbx.

1993-1997 math teaching assistant *TU Berlin*

Leadership of repetition and exercise groups for lectures on higher mathematics for engineers and others

2001-2004 Software Developer *Elmeg Communication Systems*
Transformation of an ISDN telephone Pbx to a Linux ISDN router, and porting of its firmware to Linux

2000-2001 Embedded Software Developer Anylinx GmbH
Development of an ISDN router for Bluetooth

Programming of a Ti 5402 DSP for detection of DTMF tones.

1997-2000 Software Developer *TELES AG*
Win32 API Software for configuration of an ISDN board

C++/MFC Software for configuration of a Windows NT-based ISDN Pbx.

Device drivers and network and controlling services for the NT Pbx

VoIP over H.323 for the NT-Pbx.
1993-1997 MathematicsTeaching Assistant *TU Berlin*

- WCF, REST, TCP/IP

Aquiring knowledge and additional abilities

- Knowledge extension
- Working with large code bases
- error and performance analysis
- Optimisation
- C/C++/C#, Lisp
- .NET
- WPF
- Windows Forms
- ASP.NET
- ASP.NET MVC
- SML, OCaml, F#;
- git, svn, Azure Devops, Azure
- Unix,Linux,Windows,
- Networks and network protocols
- Distributed Systems
- Agile methodologies,SCRUM
- Image Processing
- Embedded Systems
- PDF
- Languages: English, German,some Russian, French, and Latin

Contact

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Leadership of repetition and exercise groups for lectures on higher mathematics for engineers etc.