

Curriculum Vitae

Name	Anders Peter Fugmann
Date of birth	6. December 1973
Place of birth	Gentofte, Denmark
Marital status	Married
Children	Three; 3, 5 and 10 years old
Address	Mosegård Park 9, DK-3500 Værløse
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Employment History

2011-present Senior Software Architect, Issuu.

Team lead for 6 developers.

Member of Technical Leader group.

Designed and implemented a system-wide message bus architecture that allows horizontal scalability, decoupling and separation of concern.

Architecture and implementation of a scalable architecture for real time event processing and statistics, processing approx 1/2 billion events a day.

Implemented scalable architecture for Intelligent ad placement using machine learning algorithms; lda text analysis and segmentation.

Design and implementation of a contract based system for ad management and payment handling.

Designed an implemented recommendation systems based on collaborative filtering.

2011-2011 Senior Analyst, eMarkets, Nordea Denmark.

Design and development of FX trading infrastructure.

2008-2010 Software architect, Sagem Denmark / BBS Denmark / Nets.

Designed and developed software for secure card payment systems.

2007-2008 Wiinz Ltd, Danish branch division.

Design and implementation of software for automated sports betting.

Implemented actor based framework in python to improve concurrency.

Designed a generic framework for adding multiple counter parties.

Quantitative analysis.

- 2007-2007 Senior software developer, Cisco / Linksys.
Design and Development of software for Cisco media players.
- 2005-2007 Research and Development, Thrane & Thrane A/S.
Software Development for the BGen broadband satellite terminals.
Designed and developed Corba for T&T's embedded platform using C++ and C#. Development of network stacks and protocols TcpIp/sip/rtp/pep etc. Driver development for eCos operating system.
- 2003-2004 Software developer, Instadia A/S.
Development of a nosql Database in C++ for web data mining and development of Corba based services for data acquisition and storage. Optimisation of the data acquisition system and data analysis engine. Release-manager, setup of build, tag and release system. Quality assurance for all new versions of the product.
- 2001 Assisting Teacher, Institute of Computer Science and Engineering, Technical University of Denmark
Courses; Operating systems and Parallel Programming
- 1999-2001 System developer, Framfab A/S.
Development of an open source content management system in Java, in cooperation with Framfab Germany, with responsibility for design and implementation for handling multilingual sites.
- 1998-1999 System consultant, Bording data.
Development of on line shopping system in Java, including complete redesign of all event handling. Responsibility for design and implementation of a mobile tracking system using Linux.

Education

- 2003 Master of Science in Engineering, Technical University of Denmark.
Title of Thesis: *Scheduling algorithms for Linux.*
- 2000 Certified for 'Sun Certified Programmer' for the Java 2 platform.
- 1992 Mathematical student from Gladsaxe Gymnasium.

Technical Skills

I have specialized in software development, focusing on architecture, design and implementation, including generic design and methods, reusable and maintainable code. I am well founded in designing and implementing distributed systems and in parallel programming. Large experience in network protocols and stacks, both in theory and implementation. Proficient in both imperative and functional style design and development.

- OCaml Very experienced. Development of a DSL for message encoding and decoding for satellite protocols at Thrane & Thrane. Design and implementation of a Firewall compiler for IPv6 for Linux and development of a scalable messaging distribution system. Primary used language at Issuu.
- C++ Expert. Large experience in development of high performance and scalable system at Instadia. Development of embedded system at Thane & Thrane. Very experienced in Template meta programming, Object oriented analysis, design and implementation.
- Java Very experienced. Development of e-trading system in Java2 at Bording Data A/S. Design and implementation of multilingual support in OpenCMS, a content management system at Framfab. Developed secure payment systems at BBS Denmark. FX trading infrastructure at Nordea Denmark.
- C Expert. Design and development of drivers for operating systems and resource management at Thrane & Thrane.
- C# Experienced. Development of a distributed object model with support for multiple inheritance inspired by Corba at Thane & Thane.
- Python Experienced. Implemented infrastructure for running sport betting algorithms at Wiinz.
- Linux Expert. Primary development platform since 1998. Development of drivers for Linux. Great experience in Posix API.
- IPv4/IPv6 Expert. Development of a system for optimization of Tcp connection on high latency network links (Performance enhancing proxy) at Thrane & Thrane. Developed a IPv4 and IPv6 firewall setup programs in open source.
- Corba Large experience. Development of robust distributed services at Instadia A/S.
- Scrum Experienced. Participated in adapting scrum at Wiinz. Defined and Implemented scrum in two project at BBS Denmark.

Additionally, I have wide knowledge in computer languages in general, and large experience in software analysis, design and implementation. I am proficient in CVS, Subversion, Bugzilla and have practiced agile development (Scrum and XP). I focus a lot on scalability, both in terms of performance and in terms of development speed and software maintenance costs.

Languages

Danish Native language

English Fluently, in both reading and writing

French In minor degree

German In minor degree