



## CV – Andreas Fink

### Senior Software Developer

#### Personal Data

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Nationality	German
Birth	1975-03-21, Neuburg a. d. Donau
Marital status	Married, one daughter.
Languages	German (native), English, Spanish

#### Profile

I am a developer with 11 years of experience in design, implementation and testing of software. My knowledge and experience ranges from HTML and Flash based UI's over middleware to database design and webserver administration whereas my current focus lies on development of efficient, buzzword free, Java-middleware and browser based frontends.

#### Education

1981 – 1985	<b>Grundschule am Paniersplatz</b> , Nürnberg (elementary school)
1985 – 1992	<b>Christoph-Jacob-Treu-Gymnasium / Staatl. Realschule</b> , Lauf an der Pegnitz. Mittlere Reife (6 GCSEs B)
1993 – 1996	<b>Schreinerei Nüßlein</b> - Apprenticeship in carpentry
1997 – 1998	<b>Bundesmarine</b> (German Navy) - extended Military service in Navy Intelligence (IT and radio technologies)

#### Technical Skills

Middleware / Backend	<b>Java - API's:</b> JDK, Servlets, Jsp, Jdbc, JAX*, JPA/Hibernate, Rhino (Javascript) <b>Frameworks:</b> Struts1, Spring, ZK, Compass (Lucene Wrapper), Sun Jersey (Jax-RS), Apache Tapestry <b>Build:</b> Ant, Maven 2 <b>IDE's/Tools:</b> Eclipse, Netbeans, Junit, TestNG, XMLUnit, MAT, EMMA <b>PHP:</b> Zend, Code Igniter, Smarty <b>Tcl</b>
Database	<b>PostgreSQL/H2, MySQL, Oracle, SQLite</b> , manual schema creation and query building/optimization
Frontend	<b>HTML/XHTML, CSS:</b> (strong cross-browser development skills) <b>Javascript:</b> Ext-Js, jQuery, ZK, Canvas <b>Adobe Photoshop:</b> Photo and image manipulation, UI-mocks
Other	Various Internet Protocols Unix-shells and toolchain

RCS/SCM-systems (**CVS**, **SVN**, **Git**)  
Operating Systems (**Linux** in deployment, **OSX/MS Windows** as development environments)  
**XML** technologies (XSLT, XPATH, Relax-NG, Docbook)  
Workflow tools (Jira, Redmine)  
Elements of **Agile methodology**: TDD, Kanban

## Supplementary skills

Experience of working in international teams.  
Willing to travel and work onsite as consultant.  
Comprehensive knowledge of history and changes in software technologies and products.  
Knowledge in the field software and internet security (VPN, certificate handling, firewalling, XSS and other attack vectors).

## Career history / Project highlights

1998 – 2002  
100world AG  
(now Senacor Technologies)  
Nürnberg, Germany

[Senacor](#) Technologies started out as a full service agency for internet related software development and design. They transformed during the dot-com crisis into a consultancy specialised in the financial and insurance sector.

There, i received thorough internal training as frontend developer and, out of interest, slowly grew into middleware development afterwards.

For our most important customer, the online broker [CortalConsors](#) (which is now owned by BNP Paribas), we did 3 major relaunches which incorporated new CI as well as changes in the underlying technology stack.

In teams of up to 20 people i was responsible for following tasks:

- Development of static pages according to delivered Photoshop designs
- CGI-Programming in Perl and later PHP for smaller applications like contact forms and a personalized watchlist
- Template development for Apple WebObjects based applications
- Jsp development for an online community (Java 1.3, BEA Weblogic, Oracle 8i)
- Development of a bare bones CMS, feeding a Realnetworks media server with video content like news from the stock market (Perl CGI, Realnetworks Server, SMIL as markup language)

For the [Stadtsparkasse München](#) (Bank of Munich) i was part of the the team developing one of the first non applet based banking and broking frontends. My responsibilities included development of dynamic webpages as Jsp's. Used technologies included:

- Servlet 2.1
- IBM Websphere
- Struts framework
- HTML / Javascript

2002 – 2005  
Freelancer  
Barcelona, Spain

For CortalConsors i continued work on the community software as freelancer:

- Integration of online community into abaXX portal instances
- Maintenance and development of new features

CortalConsors Select, an insurance company and subsidiary of CortalConsors SA, contracted me to develop an extranet based on their CMS, NPS Infopark, which included TCL-scripting to produce static pages, PHP for a MySQL frontend and search engine as well as setup and configuration of an Apache (1.3) web server.

For [Nürnberger Versicherung](#), one of the largest insurance companies in Gernay, i maintained and developed new content and applications in conjunction with their IT department:

- Development of intra- and extranet templates according to Photoshop designs (HTML / Tcl-scripting / Oracle 8i)

2006 – 2007  
The Level Consulting Ltd.  
Vancouver, Canada  
Adelaide, Australia

- Customer facing content and applications (HTML / Tcl-scripting / PHP / MySQL)
- Strategic planning and integration testing for the rollout of major product upgrades (NPS Infopark, Oracle 9)

The consultancy and producer of portal software [TheLevel Ltd.](#) hired me as a fulltime contractor (senior developer) to develop content and custom components on their Java/Xslt based platform and consult / train onsite at larger customers.

- For [MPC Intelligence](#), a real estate marketing agency, i developed custom editor components and an interactive property map (XSLT, Flash/AS2, HTML)
- For [Elmira College](#) and [News Interactive](#) i held onsite developer training and consulted during the development process.
- For [Google](#) i was part of a larger team that integrated their customized tools and translation engine into the administrative part of the portal
- For the Canadian NOC / Bell Canada we implemented the website of the [2010 Olympic Games](#) held in Vancouver using TheLevel portal (HTML, Java, ActionScript, integration of Akamai's CDN)

2008 – Current  
Freelancer  
Barcelona, Spain

cyne GmbH, a small and agile software and graphic design firm, hired me as fulltime contractor.

- For the German public television broadcaster [SWR](#) we developed the CI, website prototypes and [community software](#). My tasks included development of controllers (custom PHP-based MVC framework) , templates according to prototypes (Smarty, prototype.js / scriptaculous) and integration of static content delivered by an existing CMS (CoreMedia)
- For the local online retailer [Karchers-Hausfreund](#) i redesigned an Ajax and Java driven shop frontend and developed the catalog and billing administration together with the client. The customer facing part involved customization of all visible UI elements that the framework (ZK) delivers as well as development of new widgets like a product display that automatically rearranges the layout and number of visible items depending on the size of the browser window (ZK, Java, Javascript, XUL). The administration comprises of order and billing handling (bills printable as PDF via iText), handling of catalog items and a component that sends email-newsletters to customers (ZK, Mvel, javamail)

[Trendlink](#) is a platform that aggregates trends in the stock-market. In the first development iteration i consulted a small development firm in the integration of the community software JForum and XWiki and optimizing their workflow (modularizing the monolithic source base with the help of Spring as glue between the forum, administration (Struts 2 / Flex) and customer frontend (Struts 2) and Maven as build and reporting tool.

The client changed the business model from an ad-driven end user portal towards selling aggregated feed-data to business customers so a complete rewrite was decided that a fellow freelancer and i took charge of.

The new platform is currently in an open beta state, publicly accessible while it is being developed. It comprises of three, separately hosted, applications.

- The aggregator which has an interface to a provider of financial data via a XML-driven webservice and generates trend-performance data and trend/instrument feeds for business customers on a regular schedule. Technologies used are Spring-core, Jax-RS and Stax for WS-connectivity, PostgreSQL and Hibernate for storage of financial data and Javolution-XML for generating the customer-feeds and data

for the customer facing portal instances.

- The administration which allows for handling of stocks and their relation to editorially created trends. It is a Jax-RS web application using Spring for IoC, Jackson (JSON) for communication with the client, Ext-JS for the browser based UI and Neo4J as backend for the trend/instrument-graph.
- The public portal, a webapp based on Apache Tapestry which displays textual information about trends (will be wiki-based and user editable in the future) performance and price data.
- Financial and trend/instrument data are made available by the aggregator-application and are held in memory after de-serialization. Navigation and search of the object graph as well as the search functionality in the browser is made possible by utilization of the Compass-framework, a high-level API over Apache's Lucene library.
- All interactive parts, like the search-field, navigation or the canvas based performance-charts are either heavy customizations of existing prototype.js components or modified to fit into the stack.
- The portal is highly optimized for search engines and low bandwidth usage.

### **Personal Interests**

Traveling together with my family (never visit the same place twice!), rock climbing / bouldering, photography and cooking.