Resume *for* Henri Hein

Objective: Software Engineer on an R&D group in a startup.

Summary: Seasoned software engineer with 15+ years coding experience. B.Sc. in Computer Science and Microsoft Certified Professional. Extensive C/C++, Java and Visual Basic experience. Technical lead on several projects. Thorough knowledge of the software development cycle through experience in developing stand-alone Windows applications, Electronic Commerce sites and other internet products. Shipped over a dozen products. Demonstrated ability to design server side components, develop highly portable code, architect distributed applications as well as manage software projects and teams.

Languages: C/C++ (Preferred). Java, C#, Visual Basic, Python, SQL.

Selected skills :   ATL, COM, XML, XSL, HTML, ASP, Windows API (win32), MFC, WinInet, IE/Browser Control, HTTP, IIS, Apache, Oracle, SQL Server, Windows CE/Pocket PC, MAPI, Unicode. Some past technologies: DCOM/MTS, Netscape Servers, CGI, ISAPI, NSAPI, Apache Modules, ADO, SAP, RogueWave DB++.

Employment History:

6/06-4/08:   *Principal Engineer*, **Propel Software** (http://www.propel.com). Developed client applications for Propel's products: Accelerator and PBM, networking applications providing compression, intelligent hashing, and traffic prioritization. Worked on GUI, BHO, Firefox component, installers and localization.

3/03-6/06:   *Software Architect*, Beyond the Box Services, **Hewlett-Packard**. Responsible for the maintenance, enhancements and prototyping of new opportunities for the Service Delivery Platform; a services oriented application developed with Java, Oracle, WebLogic and J2EE.

4/01-3/03:   *Software Architect*, Mobile Solutions, **Hewlett-Packard** (http://www.hp.com). Contributed design, coding and leadership in shipping our Service Delivery Platform. The SDP is used by CRM to register product purchases over the net, and also provisions Internet services to customers. The SDP is a distributed system. The client side was built using the IE Browser Control. Heavy exposure to the COM interfaces of IE, the IE event model, IE automation, ATL, internationalization, the Windows API, WinInet.

Managed our efforts into wireless solutions, incl. a pilot with wireless Jornadas. Designed and executed evaluation programs for solutions such as Synchrologic and NetMotion. Built prototypes, involving Exchange, MMIS, PocketPC Development, the IE Browser Control, MAPI, and the .Net platform.

12/00-3/01:   *System Architect*, e-Speak, **Hewlett-Packard** (http://www.hp.com). As architect in charge of support, directed e-Speak towards maturity. Set up procedures for improving documentation and QA. Ported DTS system and developed product FAQ. Worked with e-services, XML, Java, Apache/Tomcat.

11/99-11/00:   *Principal Engineer* for **NetSanity** (later Soltima). NetSanity provided infrastructure for managing user preferences on the Internet. This included some presentation apps. Designed and developed the application services, ie. the middle tier, in a distributed application. Served as Team lead on server side and subsequently client side. On server side, used Java and C++, Oracle, RogueWave, WebLogic, Apache. Server side was developed on NT and deployed on Solaris. On client side, we used C++/COM/ATL, WinInet, the IE Browser Control, Pluggable Protocols, Asynchronous URL monikers.

4/97-11/99:   *Software Engineer* for **The Vision Factory** (later Catalog International). Developed UI and components for an Electronic Commerce development product written in C++. Cat@log was a platform targeted at electronic commerce. There was a design-time builder written with C++ and MFC. The server side was cross-platform and ran on NT, Solaris, HP-UX, Irix. Database access and abstraction was provided by the RogueWave Database class library (DB++). Implemented ISAPI and NSAPI support, expanded sorting features, and external function support. Built COM support as an add-on. Led our R&D team in developing Cat@log 2.5 and shipping it on time; it went on to receive positive reviews. Provided technical assistance to large US-based customers, such as Pandesic. Developed E-Commerce web sites, using technologies including ASP, Java, transaction services.

9/96-3/97:   From 9/96 to 3/97, worked as a *Technical Lead* at **MultiMark A/S** (http://www.software-innovation.dk). Responsible for designing and driving strategies for development and quality assurance for a client/server solution. Built up a QA team and provided development standards that markedly improved the quality of MultiMark's product. Built a resource editor for localization purposes.

1990-1995:   *Software Design Engineer,* **Microsoft Corporation** (http://www.microsoft.com/) at the main campus in Redmond, Washington. Spent two years in the Word group, responsible for the interface to the on-line documentation and optimizing graphics storage and maintenance. Developed the original Word & Bookshelf integration package, which has been credited as one of the first multimedia productivity applications. Developed components to the Winhelp engine for flexible and efficient display of images and controls - some of this technology was later adopted in the Winhelp engine for Windows 95. Used many components of the Windows API, including advanced memory management, hooks, Dlls, GDI, timers, controls, the clipboard, DDE.

Technical Lead in an internal tools group for two years. Built a framework for storing and editing resources in applications such as Works and Money. The framework was used for localization. As lead, was supervising all code work, and was involved in code review, design standards, and development strategies. Did a good deal of the code work, such as a simple text processor and a dialogbox-editor. The framework was built on top of Microsoft's Jet Database API, a relational database engine.

1989-1990:   *Technical Lead,* **Microsoft Ireland** in Dublin. Responsible for the technical processes involved in preparing Nordic and Dutch versions of Microsoft software.

Selected Accomplishments:

1992:   *Word & Bookshelf.* A small project – five people for six months. Was the sole developer. Added some integration features between Word and Bookshelf; for instance, dictionary lookup from within Word. The small project was highly visible, the release garnered mentions in all the major trade magazines.

1993:   *WinHelp Extensions*. For Word 6.0, wrote some utilities that used the embedded windows feature to extend WinHelp. These saved disk space because of shared graphics data, saved countless hours by centralizing maintenance of the data, and extended the functionality of the Word help files. The functionality was adopted and added to the Windows 95 Help Engine.

1995:   *Conduit*, an internal Microsoft localization tool. Technical lead on a four-person team to build a framework for storing UI resource elements used in localization. The tool was used to localize Microsoft Works, Publisher and other apps. The tool cut costs and release times, and many loyal users evangelized it for corporate-wide use.

1998:   *Cat@log 2.5*. At *The Vision Factory*, was lead on the first big revision of the Cat@log product. This was a seven-month project and the team consisted of 8 high-caliber engineers. We had an aggressive agenda, shipped on time, and got great reviews from magazines such as InfoWorld, internet world, internet.com, and ZDNet.

2000:   *NetSanity SmartBar*. As Principal Engineer with *NetSanity*, led the team of twelve engineers to release the SmartBar, the company's flagship product. We built a highly distributed system for publishing content to the desktop. With my product development experience, was able to direct the team towards a system of revenue-bearing quality level.

2002:   *ActiveSync Provider*. Working on HP's wireless initiative, developed several prototypes. One was an ActiveSync provider, or plug-in, that uses the cradling mechanism in an innovative way. A patent was filed for this approach. The particular functionality is confidential, but building an ActiveSync plug-in is difficult, requiring advanced uses of COM, thorough understanding of Windows and PocketPC, and some amount of reverse-engineering.

2005:   *Granite Tower WebTest*. Filed patent for the WebTest product, an http-based testing tool that lets a user set up a load test literally in minutes, starting from scratch.

For full employment history, please see previous page.

Education:

1985-1989:   Bachelor of Science, Computer Science from Copenhagen University. (Equivalent to Masters in US.)

Miscellaneous: *Windows Programming* Classes with Microsoft University. *Multithreaded Assembly Programming* class at University of Washington. Several self-study courses towards Microsoft certification exams. Some writing and presentation classes. In 1996, some courses towards a masters degree. In 2001, *Technical Lead* class (HP Internal). In 2004, *Certificate of Completion* from **Stanford Continuing Studies.**

Other:

Environment: Prefer a dynamic, professional and informal work atmosphere. Demonstrated ability to work independently, as a team member, and as a team leader. Wits, health and sense of humor in excellent condition.

Languages: English and Danish fluently. Some French.

Software: http://www.granitetower.net/software.html

Interests: Traveling and Climbing/Mountaineering. Have been instructor and climb leader with the Seattle Mountaineers.

Legal Status: Permanent Resident.

Contact:

Henri Hein		Phone:	(831) 338-4340 (h)
515 Debbie Ct		Email:	henrih@earthlink.net
Boulder Creek, CA 95006		Web:	http://www.henri.hein.org/
			http://www.granitetower.net