

## **Karl Heinz Kremer**

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### **PROFESSIONAL SUMMARY**

Accomplished software engineer with extensive experience in all phases of the software life cycle, user support and training. Led teams of engineers in these activities. Expert in requirements, design, implementation, testing, debugging and maintenance for custom and application software solutions.

- Recognized as expert for Adobe Acrobat and the Portable Document Format (PDF).
- Adobe Certified Expert (ACE) for Adobe Acrobat.
- Development of Adobe Acrobat plug-ins for Windows and Macintosh environments.
- Contributed to several Open Source software projects.
- Received four US patents in the area of high volume printing and job setup.
- Bilingual (English and German).

### **TECHNICAL SKILLS**

Software: C/C++, MFC, wxWidgets, Adobe Acrobat, Adobe Acrobat SDK and Adobe PDF Library, Visual Studio 6/7/8, ClearCase, Unix, Linux, Perl, Unix Shell, JavaScript, Mac OS X, Xcode, Objective C, SQL, XML, JDF.

Operating Systems: Windows, Unix, Linux, and Macintosh.

### **EXPERIENCE**

#### **Independent Software Consultant**

**2009-Current**

- Designed and implemented Acrobat plug-in for the publishing industry.
- Ported two Mac OS Acrobat plug-ins from Acrobat 6 to Acrobat 9.

#### **Eastman Kodak Company, Rochester, NY (Acquired Heidelberg and NexPress)**

##### **Software Engineer**

**2005-2009**

- Designed and implemented VDX generating application.
- Designed and implemented a hybrid (monochrome and color) job printing mechanism.
- Certification as "Adobe Certified Expert" (ACE) for Adobe Acrobat.
- Planned, designed and implemented a major release of a PDF based print workflow system.
- Maintained and improved the quality of a color management Acrobat plug-in (Windows and Macintosh).
- Improved maintainability by planning and implementing the conversion of an Adobe Dialog Manager (ADM) based Acrobat plug-in user interface to wxWidgets.
- Participated in 3rd party application pre-release programs and improved quality of these applications by providing feedback on features and bugs.
- Received several prizes for participating in 3rd party pre-release programs for outstanding participation.
- Received four US patents (7,454,697, 7,003,723, 7,515,295, 7,652,779)

**Senior Staff Software Engineer, Team Lead (Heidelberg/Nexpress) 2000-2005**

- Defined requirements and architecture, and designed a front-end and workflow package based on Adobe Acrobat for the Digimaster 9110 printer and the NexPress 2100 press, which reduced job setup times by up to 50% and reprint times by up to 70%.
- Prototyped Acrobat plug-in for PDF based image editor that replaced an underperforming OEM part.
- Designed and implemented several modules of a print workflow package as Acrobat plug-ins.
- Specified and designed application programming interface for communication with DocSmart document management system.
- Created design-arounds for competitor's patents to create a competitive index tab creating application.
- Evaluated, recommended and selected a document management system.
- Designed and taught classes about PDF, Adobe Acrobat and Acrobat plug-in development.
- Authored or co-authored 12 patent applications.

**Software Engineer (Heidelberg Digital L.L.C.) 1999-2000**

- Selected and evaluated third party software products in the area of variable data printing and mainframe integration for Heidelberg Digital Digimaster 9110 printer.
- Specified and implemented printer features for integration of 3<sup>rd</sup> party software products.
- Designed and taught product update training course.

**Software Engineer / Team Lead (Eastman Kodak) 1998-1999**

- Defined requirements and designed Raster Image Processor (RIP) sub-system.
- Performed feasibility studies and prototyped solutions.
- Coordinated international software development groups.

**Software Specialist / Team Lead (Kodak AG, Stuttgart, Germany) 1995-1998**

- Led European software customization projects for Kodak high volume printing systems.
- Designed and implemented large parts of a "Printing on Demand" system.
- Defined rules and procedures according to international quality standard ISO9000.
- Taught classes on PostScript and customization software project all over Europe.

**OTHER RELEVANT EXPERIENCE**

- Maintained part of open source scanner software (EPSON backend for SANE system).
- Contributed patches for Linux operating system kernel.
- Participated in Gimp (photo editing) and Gimp-Print (photo printing) open source development.
- "Genius" status in Experts-Exchange.com "Acrobat" area.

**EDUCATION**

Fachhochschule Kempten, Germany: Dipl. Ing. (FH), Electrical Engineering (equivalent to a BSEE degree)