Resume

William E. Kempf

Advisory Software Engineer

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Profile

William E. Kempf is a software developer with more than 20 years of experience. He's looking for a senior development position working with modern technologies and methodologies.

Skills

- **UI Development**
  Strong user interface development skills applied to desktop, mobile and web using numerous technologies.
- **UX Design**
  Strong user experience design experience.
- **Software Development**
  Proven software development skills using numerous programming languages.
- **Unit Testing**
  Extensive experience writing and maintaining unit tests.

Technical

- **Programming Languages**
  C#, C++, C, Ruby, Python, JavaScript, Java

- **Web Technologies**
  CSS, HTML, JavaScript, ASP.NET, REST
- **VCS**
  Git, TFS, SVN, CVS, ClearCase, PVCS
- **Other**
  SQL, XML, XSLT, JSON

Professional Experience

RightRez, Inc.
Senior Advisory Engineer
2016-Present

Worked on the RightRez suite of products which booked, priced and sold airline tickets. Interfaced with GDS systems, wrote and maintained the web site and web services.

Vision Solutions
Advisory Software Engineer
2005-2016

Worked on the Double-Take suite of products which performed realtime data replication services. Developed user interfaces using XUL (Mozilla), MFC and WPF. Designed the frameworks used by both the XUL and WPF based products. Worked on the replication engine, written in C++. Worked on the Management Service backend, written in C# using WCF. Developed the REST APIs intended to replace the WCF interfaces. Wrote a prototype mobile interface demoed to Microsoft. Wrote and maintained unit tests. Created design documents.

First Data Resources
Senior Software Developer
1995-2005

Worked on the Fraud Detection Work Center (FDWC) product, written in C++ using MFC. Worked on the Java UI framework, creating custom UI controls. Developed a ticketing system for tracking issues using HTML, CSS, JavaScript and AJAX. Maintained a customer service web application written for First USA using Java, JSP, HTML, CSS and JavaScript.

Lauhoff Grain Company
Technical Manager
1992-1995

In charge of all IT infrastructure. Wrote and maintained various database applications used to track inventory and business processes. Developed the EDI system used to track bills of lading.

Education

- **Doane College**
  Crete NE
  BS in Computer Science / Math
- **Kenesaw Public School**
  Kenesaw NE
  High School Diploma

Other Experience

- **Boost.Threads**
  William Kempf was the original author of the Boost.Threads library, part of Boost. Presented Boost.Threads to the C++ Standards Committee for consideration on inclusion in the standard. Moderated some of the mailing lists and participated in most discussions.

- **WPF Disciples**
  Participated in the mailing list discussions, mostly surrounding the Model-View-ViewModel pattern. Provided community support and guidance on WPF development.

- **Onyx**
  Wrote the Onyx WPF M-V-VM library.

- **Specifity**
  Wrote the Specificity .NET unit testing library.

- **Testify**
  Wrote the Testify .NET unit testing library, the successor to Specificity.

Publications

- C/C++ Users Journal
  The Boost.Threads Library *May, 2002*

- CodeProject
  Numerous articles

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