



Keith Wissing

Senior Software Developer

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WORK EXPERIENCE

Software Program Manager, IDenticard, a division of Brady Corporation

May 2011 - May 2020 🕒 9 years

- Lead and managed a team of software developers. Implemented new workflow processes to improve reliability of software builds.
- Initiated new project to improve upon and replace existing legacy products.
- Oversaw and helped develop iOS mobile application to extend functionality of legacy client server application into the mobile space.
- Added significant new features and functionality to legacy product. Maintained and diagnosed legacy product and customer issues. Integrated legacy product with various third party SDKs.

Senior Developer, Geodecisions, a division of Gannett Fleming, Inc.

Sep 2008 - Oct 2009 🕒 1 year

- Delivered custom-built software solutions using Java, .NET (C# and VB.Net), SQL and ESRI technologies. Front ends built using HTML, Javascript, Dojo. Backends built using Java, VB.Net, Spring for .Net.
- Conducted in-house training sessions for junior developers and interns; covered topics such as Advanced Object Oriented Programming, Test Driven Development, Application Architecture and Design, and Effective Troubleshooting Techniques.
- Assisted in the introduction of test-driven development practices using JUnit and NUnit, code coverage using NCover and Cobertura, acceptance and regression testing using FitNesse, and integrated builds using CruiseControl (for Java and .NET), significantly reducing the amount of time spent debugging and testing code.

Software Engineer, Mapquest

Apr 2007 - May 2008 🕒 1 year 1 month

- Assigned as part of the core services team which included Mapping, Geocoding, and Traffic Services.
- Responsible for the design, development, testing, deployment, and maintenance of the MapQuest Traffic Conditions Service which provides users with a translucent color-coded map overlay representing current traffic conditions for over 85 metropolitan areas, as well as real-time accident and construction notifications helping to generate over 186,000 unique page views in its first day of operation. This service was implemented using Java, Tomcat, Apache and Python.
- Served as a member of the MapQuest Tiled Mapping Team within the Core Services group assisting in the development and maintenance of tiled map generation and caching services, which required the support of legacy C/C++ code, as well as development of new applications using J2SE/Java Servlets

- Developed automatic Quality Assurance (QA) testing tools for verifying tiled map data integrity; incorporated image color analysis algorithms to determine map and satellite image quality. Utilized JUnit and Fitnesse for automated testing, Cruise Control for automated builds, Subversion for version control, Cobertura for Java code coverage analysis.

Consultant, Ciber, Inc.

Sep 2006 - Apr 2007 ⌚ 6 months

- Software development at the Department of Health in Harrisburg, PA.
- Assisted in the development of a web based tobacco enforcement tracking system utilizing Vb.net and a SQL Server database.

Senior Software Engineer, IDenticard Systems, Inc.

May 1996 - Oct 2004 ⌚ 8 years 5 months

- Led software design and development team on IDentiPASS 9000 panel client software including: defining application requirements, designing application architecture, coding, testing, production roll-out and version management. Developed advanced firmware for IDenticard's 9000 series access control panel. Led development on ACM series access control panel. Independently developed Centurion access control panel firmware. Developed 32 bit Windows program for identification card design and printing. (C++, ODBC, SQL, C, assembly)

Computer Lab Attendant and Co-Creator of the Tele-robotic Observatory, Penn State University

Sep 1991 - Dec 1992 ⌚ 1 year 3 months

- Adapted Windows/DOS software for SnapPlus board to Linux. Developed C++ video-capture routine. Developed code to control various tele-robotic devices (VCR, Video Switcher, Pan Tilt Units) from a web-based interface. Received sponsorship from Autodesk, Cellular One, Corel, Forte Virtual Reality and other companies. (C++, Linux)

Computer Software Engineer, Cardinal Technologies

Jun 1992 - Aug 1995 ⌚ 3 years 1 month

- Developed sound card and modem testing software. Created Windows AVI driver for SnapPlus card. Wrote radio card control program for Windows. Wrote file conversion utility for CAD software. Developed initial Windows software for SnapPlus VLB. Wrote PCMCIA point enabler for modem test software. Assisted writing installation software for PnP modem. Created Plug and Play point enabler for modem. (C,C++)

SKILLS

EDUCATION

Computer Science, Bachelor, Penn State University

Sep 1991 - Dec 1995

INTERESTS

Camping

Tents

Hammocks

REFERENCES

Steve Korzekwa

Keith has excellent technical skills. I could always count on Keith to find a solution to difficult problems.