

# Kevin H. Feeley

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## SKILLS

Project Planning, Strategic Planning, Process Improvement, Policy Development, Business Planning, Negotiation, Facilitation, Leadership, Conflict Resolution, Customer Support, Client Relations. Public Speaking, Sales, Systems Administration, Systems Migration, Network Administration, Network Design, Telecommunications, VOIP, Information Design, Data Mining, Data Warehousing, Data Modeling, Data Visualization, Database Design, Page Layout, Graphic Design, Layout Design, Web Design, Web Development(Front-End, Back-End), Linux/Unix, Windows(Server, Desktop), Mac OS X, Cloud Services/AWS, Directory Services, NAS, Networking(Wide Area, Local Area, Wi-Fi, Fiber Optics, DSL, ISDN, POTS, Switching, Routing), Cisco(Switches, Routers, CPEs, Wi-Fi APs), Juniper Routers, HP Blade Servers, Virtualization/Containers, HPC, Data Center, Bioinformatics, Big Data, Apache, IIS, MySQL, PostgreSQL, MS-SQL, Oracle Database, NoSQL, Microsoft Access, PHP, SQL, R, Python, Bash/Csh, XML, HTML, CSS, Javascript, Web Services, RSS, JSON, AJAX, Bootstrap, Adobe Photoshop, Adobe InDesign, Adobe Acrobat, Microsoft Word, Microsoft Excel, Microsoft Powerpoint, Microsoft Visio, Jira, Agile

## EXPERIENCE

### **USDA-ARS, Ames, Iowa - IT Support Specialist**

September 2009 - Present

As the lead developer and web designer for Soybase.org I develop and integrate the back-end and front-end technologies required by the soybean research community. In this role I primarily make use of PHP, MySQL, Javascript, AJAX and CSS running on a GNU/Linux/Apache stack. My work also requires integration of complex data pipelines that include a number of technologies and languages such as Perl, R, and NoSQL. Providing technical support and guidance in the development of the USDA's collective online resources pertaining to crop field data, bioinformatics data and experiment-specific data is an additional component of my role. In addition, I am a charter member of a national, agency-wide effort to advise on the usage of agency resources in leveraging Big Data and process improvement at an agency level.

#### **Primary Project**

##### **Lead Developer at Soybase.org**

- Serve over 2500 unique visitors per month.
- Participate in strategic planning and process improvement efforts within the working group aimed at the continued success of the project.
- Work closely with stakeholders and curatorial staff to ensure project goals and community needs are addressed and met in a timely fashion.
- Develop and present project plans, data designs and outlines for specific project goals.
- Write and deploy custom code in PHP, including creating custom data visualizations for complex biological data utilizing the GD development library.
- Update and improve existing code base and add functionality to externally developed projects in a variety of scripting languages including Perl, R and Bash.
- Advise curatorial staff on data repository architecture and technical issues relating to data storage and retrieval.
- Advise post-doctoral candidates in developing supporting documentation and web resources for publication.
- Advise staff and post-doctoral candidates on presentation development and refinement directed towards improving clarity of communication and keeping audiences engaged and learning.
- Advise on and participate in decision making surrounding technology adoption, deployment and support.
- Remain abreast of dominant and emerging technologies within the Big Data, Data Management and Data Integration space
- Remain abreast of research into human-machine interaction and data design.

#### **Working Groups**

##### **Technical Advisor to Legume Information Systems**

- Research group tasked with developing and maintaining data resources related to economically significant legume species.
  - Advisory role in matters of systems design and data presentation

**Charter Member with USDA-ARS AgBioData Initiative**

- Focus group composed of stakeholders and curators from a broad range of agricultural data groups across government agencies and private industry.
  - Advisory role in matters of data collection, organization, storage and presentation.

**Coach House Gifts, Ames, Iowa - Software Developer**

March 2007 - October 2007

At Coach House Gifts I worked as a software developer and database developer. I developed custom software for Point Of Sale systems, including software enable a web based application to control computer peripherals, such as a cash drawer and a bar code scanner.

- *Technologies: Linux, Apache, MySQL, PHP*

**DBA Kevin H. Feeley Technical Services, Grand Junction, Iowa - Owner**

December 2001 - September 2009

As the Owner/Operator of this home-based business I focused on PHP development, graphic design, web design and Content Management System projects for clients. Clients projects exposed me to a range of challenges including Natural Language Processing and machine code interpretation for the graphical rendering of embroidery patterns for client preview.

- *Technologies: Linux, Apache, MySQL, PHP*

**Toons/LemCo Productions, Inc., Kelley, Iowa - Technical Support and Outside Sales**

December 2005 - July 2006

Toons, the Cartoon Newspaper, is a perennial favorite in Ames, Iowa, both on and off the Iowa State University campus. At Toons I provided technical services such as server construction and installation, employee training, purchasing recommendations and addressing security and troubleshooting issues as needed. As well, I develop the marketing materials used by outside sales personnel, various other graphic design projects, marketing development and outside sales.

- *Technologies: Linux, Mac OS X*

**Beacon Microcenter, Ames, Iowa - Senior Network Engineer**

August 2001 - October 2001

As the Senior Network Engineer at the Ames, Iowa location I was responsible for maintaining client relations, addressing client technical requirements and developing new client proposals.

- *Technologies: Windows Server, NetWare Server, Cisco Routers, Cisco Switches, Linux*

**VARmint Systems, LLC., Ames, Iowa - Leading Partner**

December 2000 - June 2001

As a Leading Partner in this multi-tenant high-speed Internet installation firm I was responsible for developing a workable business model, developing a marketing strategy and marketing materials, vendor relations, outside sales and technical development of tools and solutions needed for implementation of DSL and Wireless technologies in a variety of settings.

- *Technologies: Cisco Routers, Cisco Switches, Cisco DSLAM, Cisco Wi-Fi*

**Casbar Communications, Ames, Iowa - Network Design Specialist**

October 2000 - December 2000

As the Network Design Specialist for this Wi-Fi startup in Ames, Iowa I was responsible for developing a business model, project management, network design, location audits and the technical aspects of various business and sales proposals.

- *Technologies: Juniper Routers, T3 WAN circuit, Cisco Wi-Fi Access Point, Apple Wi-Fi Access Point*

**ANE, Johnston, Iowa - Senior Network Engineer**

April 2000 - October 2000

As a Senior Network Engineer for this network support contract firm in Johnston, Iowa I took on a broad client base. During my tenure with ANE I was involved with network design, large-scale network migration, advanced network design implementation, security and systems audits, development of technical aspects of sales proposals, and ensuring maximum up-time for a customer base residing heavily in the financial sector and health care sector. I also acted as a

liaison between clients and various vendors such as telecommunications providers, financial services wholesalers and major software producers.

- *Technologies: Windows Server, Windows Desktop, NetWare Server, Linux, Cisco Switches, Cisco Routers, T1 WAN circuits, ISDN*

### **Hamilton Business College, Urbandale, Iowa - MCSE Course Instructor**

May 2000 - July 2000

I instructed Network Essentials and Windows 95/98 coursework in the MCSE preparation program in Urbandale, Iowa.

- *Technologies: Windows Server, Windows Desktop*

### **Beacon Microcenter, West Des Moines, Iowa - PC Bench Technician**

November 1999 - December 1999

As the PC Bench Technician at the West Des Moines operation I was given the opportunity to gain great volumes of hands-on experience with a wide variety of desktops, laptops and printers. Tasks ranged from simple upgrades of hardware and software to data-recovery operations.

- *Technologies: Windows Server, Windows Desktop, Linux, Mac OS 9, Mac OS X*

### **DBA Wombat Productions, Grand Junction, Iowa - Owner**

April 1997 - October 2000

As Owner/Operator of this home-based business I provided technical support contract services to a wide variety of clientele ranging from individuals in need to house-call technical support to major manufacturing operations in need to systems migration.

- *Technologies: Windows Server, Windows Desktop, NetWare Server, Linux*

### **OMNI Internet/lowalink.com, Des Moines, Iowa - Network Administrator**

August 1998 - November 1999

As the network administrator for this Des Moines, Iowa based ISP, I was responsible for the day to day maintenance of a small group of Microsoft Windows Servers. Often I was called upon to develop web pages for various purposes, both internal and external. In addition to this, I was also responsible for fielding incoming support and new-user calls, and for guiding these customers through various installation, configuration and troubleshooting procedures.

- *Technologies: Windows Server, Windows Desktop, Linux, 3Com POTS endpoints, RADIUS authentication, T1 WAN circuits, ISDN, Ethernet (10BaseT, Token Ring), TCP/IP, Fiber Optics*

### **Imagination Unlimited, Inc., Ames, Iowa - President and CEO**

December 1995 - August 1998

As the President and CEO of this Ames, Iowa based web design firm I developed the business model and directed the day to day operations. As well as general operations based duties, I was also responsible for deciding upon technology purchases and maintaining our Windows Server systems to ensure maximum uptime.

- *Technologies: Windows Server, Windows Desktop, Cisco Routers, TCP/IP, HTML, JavaScript, Microsoft IIS*