

Derrick Woolworth



8217 NE 127th St • Kansas City, MO 64127 • Phone: 913.269.6013 • Fax: 913.667-2297 • E-Mail: dwoolworth@gmail.com

Objective

To find a leadership role within a company focused on software development, leading a group of developers toward a common goal, preferably in the data science/big data space.

Experience

Development & Architecture Lead, Lumen

January 2019 to Present

- Modernized technology used for continued development and maintenance of CenturyLink Business Apps (SaaS applications) ecommerce. Upgraded from legacy Drupal 7 and Java middleware to NuxtJS (Vue/Express)
- Redesigned data flows from billing systems to front-end presentation – redesigned all data schemas using MariaDB (MySQL)
- Overhauled development pipeline using cloud-based infrastructure to include Jenkins, Github Enterprise, Kubernetes and Docker
- Established code quality, code review, and automated testing policies for all developers
- Managed two teams of 6+ developers in the U.S. and off-shore (India)

SDI, LLC.

June 2016 to Present

- Evaluate existing infrastructure for Evergy/LocationOne application and provide decision matrix for technologies and architecture of SaaS redesign.
- Manage third-party development team, establish process and delivery schedules
- Liaison between Enterprise and smaller organizations for deliverables, price negotiations, setting expectations.
- Two-million-dollar project, over 2-years in development.
- NodeJS, ReactJS, VueJS, AngularJS, MongoDB, Kubernetes, Gitlab DevOps pipelines
- Data Science, Python, Jupyter Notebooks, CUDA accelerated apps with RAPID, ML/AI, Deep Learning, TimescaleDB, Postgres, Tensorflow, RabbitMQ, some Kafka.

Senior Technical Lead, CenturyLink

February 2014 to January 2019

- Technical lead role for team of 12 developers working on SavvisDirect/CenturyLink's ecommerce systems, dashboard and online control panel for all CenturyLink cloud services. Technologies included Drupal7-8/Symfony/PHP, Java, AngularJS, jQuery, node.js
- Decreased developer on-boarding time significantly using Vagrant, gitlab and drush-make for local site profile installation.
- Continued improvement of development pipeline by streamlining continuous integration and deployment for all environments.
- Continually improved Agile workflow, working with marketing executives, security and infrastructure teams.
- Most recently, converting entire development pipeline to use Docker/Kubernetes.

Senior Technical Lead, DEG

January 2014 to May 2014

- Short contract, technical lead role for small team of Symfony2/PHP/node.js/Hadoop developers focused on the development of email marketing and analytics dashboard for large California based client (AXS Entertainment Group).
- Refactor application to adhere to Symfony design patterns and coding standards.
- Improve performance of integration with Hadoop/Big data services via node.js.

Senior Technical Lead, SavvisDirect

March 2013 to December 2014

- Technical lead role for team of 9 developers working on SavvisDirect's ecommerce systems, dashboard and online control panel for all SavvisDirect cloud services. Technologies included Drupal7/Symfony2/PHP, Java, AngularJS, jQuery, node.js
- Decreased developer on-boarding time significantly using Vagrant, gitlab and drush-make for local site profile installation.



- Continued improvement of development pipeline by streamlining continuous integration and deployment for all environments.
- Continually improved Agile workflow.

Director of Engineering, Jammit, Inc.

November 2012 to March 2013

- Advised future direction of the company, optimized web and ecommerce platforms, improved performance of all systems.
- Architected and implemented integration with Jammit affiliates, Alfred and CCLI (world's largest sheet music publishers) integrating backend payment and fulfillment systems.
- Drupal (6 & 7), Symfony2, PHP all on LAMP stack, iOS/Objective-C and C#/.NET development for multi-platform solution.

Self-Employed/Contractor

January 2011 to March 2013

- Consulted CrossInnovation with setting up an ETL environment and establishing development pipeline for Saffron, and associative NoSQL database, consulted regarding the setup/implementation of Hadoop and other solutions.
- Consulted Children International with Information and Enterprise Architecture of fund raising and Internet marketing systems, to include mobile and Facebook applications, ASP.NET/MVC 3 & 4, (C#)
- Assisted Netsolus, a local cloud computing and hosting provider, with automating ticketing and control of their backend management processes using Python, PHP, Perl.
- Built and rolled out many Drupal7/Symfony2/PHP, ASP.NET and Java/JSP based web applications. All employ extensive JavaScript, jQuery, AngularJS front-end integration, some Backbone.js and Knockout.
- Built iPhone and Android applications using Xcode/Objective-C and Appcelerator Titanium, which uses JavaScript and the Titanium API to build native mobile apps.
- Built and deployed ecommerce systems supporting small and large scale entities from 10 to 7500 products, integration with multiple backend credit card and payment processors.
- Continued work on reverse proxy node.js addon which uses the V8 JavaScript, a C++ library, low-level socket communications to provide a dedicated reverse proxy for node.js instead of using nginx.

Technical Director Barkley/Adamson

May 2009 to December 2010

- Technical direction and architecture of Fortune 500 websites and web applications for firms such as Nestlé Purina, Rawlings, Marmot, Hain Celestial (Terra Chips, Garden of Eatin', Earth's Best, Arrowhead Mills), using Drupal/PHP, ASP.NET, and some Python and Ruby on Rails projects.
- Worked with IT Director in optimization of network architecture of Adamson's headquarters in St. Louis.
- Barkley purchased Adamson due to its success in delivering high quality digital solutions, but unfortunately, after the purchase, Barkley lost Sonic as a customer and executed corporate-wide layoffs.

Vice President/Enterprise Architecture Director, SPIDERtel

November 2006 to May 2009

- Lead team of developers to create sophisticated web applications for a wide array of customers using Drupal/PHP, ASP, and ASP.NET, Java, and Python.
- Managed full data center hosting over 1000 websites, collocation customers and application servers.
- Managed migration of all customers from R&D Technology, LLC. To SPIDERtel, Inc. after company was purchased in Nov. 2006

President R&D Technology, LLC.

March 1994 to November 2006

- President and Owner of R&D Technology/R&D Associates, Inc. R&D provided custom software solutions for many start-ups and well-established companies around KC. Solutions ranged from embedded software to web and mobile apps for several industries to include transportation, medical, print and publishing. Technologies used ranged from C/C++, Java, PHP, ASP and .NET.



SiriCOMM, Inc.

October 2003 to November 2005

- Enterprise Architecture Director and Co-Founder.
- Developed nation-wide hot-spot Wi-Fi network with over 1000 nodes at Pilot Travel Centers, Love's Travel Stops and at many trucking weigh stations across the U.S.
- Created custom installation of FreeBSD with kernel module to control and secure access to the network for subscribers.
- Created full monitoring system for entire network where one network administrator could maintain the entire network.
- Wrote TCP/IP encapsulation routines to optimize buffering inside of MPE satellite network packets.
- Worked with ViaSAT to optimize data transfer rates and decrease latency over their extra-terrestrial networks.
- Maintained accounting and CRM system, built credit card processing system interfacing with Novus Networks.

Technology Expertise

C/C++, C#, Objective-C, JavaScript, VueJS, ReactJS, AngularJS, HTML/CSS, PHP, Java, Perl, Python, Ruby, Bash, and others...
Linux, Windows, Mac, FreeBSD, AIX, Solaris, Github Repo: <https://github.com/dwoolworth>

Education

Avila University 1991-1994
BS, Marketing

UMKC 1991-1992
Economics and Mathematics

Skills

Agile/Scrum, Continuous Integration, Pair-Programming, Big Data/Data Science, FreeBSD, Linux/Ubuntu/CentOS, Windows, C/C++ (STL/ATL), Objective-C, C#, ASP.NET (MVC), JavaScript, Java, PHP, Python, Bash, Perl, jQuery, HTML5, CSS, Drupal, NodeJS, ReactJS, Vue/NuxtJS, Application Development, DevOps

Software

JIRA, Git, Github Enterprise, Gitlab, Subversion, Jenkins, Docker, Kubernetes, VMWare, VirtualBox, VS Code, vim