

CHRIS DUFFY

SKILLS

- 12 years professional system administration experience, spanning Linux, Windows, and Mac. Extensive Linux server experience.
- Experience in every phase of the Software Development Life Cycle, over several projects. Experience in traditional waterfall development projects and projects using agile concepts such as test-driven-development and Scrum.
- Experience with many build, continuous integration, and testing tools such as Apache Ant, Maven, Hudson/Jenkins, JUnit, Selenium, and several issue trackers.
- Experience with many scripting languages such as Bash, Perl, and Ruby. Also very familiar with web technologies such as HTML, Javascript, and PHP.
- Experience as a JEE developer.
- Experience in dealing directly with the customer for requirements gathering, implementation, and support.
- Can legally fly most small aircraft.

EXPERIENCE

MASTERLINK CORPORATION ORLANDO, FL 2004-PRESENT

Performed many functions at MasterLink Corporation. Primarily responsible for system / network administration of all servers and client machines. Responsible for implementation and maintenance of all services, including internet access, email, web hosting, document repositories, server and client backup, and development support services such as source control. MasterLink has Linux server environments, and a mixture of Windows and Mac client machines.

Ongoing roles also included client training and support, and bug fixes and enhancements to the commercial version of Intelligent Work Management™ (IWM). The commercial version of IWM is a JEE application running on JBoss with an Oracle database. Work below is called out by individual DoD-funded projects, and work done specifically for the commercial product.

Task Order 11 and 12 2010-2011

During Task Order 11 and 12, MasterLink Corporation implemented a new version of IWM targeted for Marine vehicle maintenance. This new version was a ground-up rewrite, using JEE, JBoss Seam, and MySQL.

- Led QA team, implementing Hudson CI for automated builds, JUnit execution, and automated functionality / regression testing with Selenium. Responsible for build automation, build environment, and all testing.
- Developed Selenium test scripts in Ruby with Selenium RC for the commercial product, and developed scripts via the Selenium IDE for the military project.
- Responsible for development and testing environment, including SVN, issue tracker, internal wiki, customer-facing daily release server, developer machines, application servers, backups, and all associated networking and authentication.
- Responsible for final software delivery packaging, installation method, instructions, and support.
- Responsible for creating all demo data, and scripts to reset the data as needed.

- Designed and implemented an interface between the primary application model and the Scheduler Agent in JEE.
- Designed and implemented a demo HTML / Javascript iPhone / iPad user interface for "IWM for Aviation." Demo was used at the Paris Air Show and resulted in several contacts in aviation maintenance.
- Created initial application concept and designed the first object model in UML. Deeply involved with design discussions and changes made following initial design.
- Created many non-software customer deliverables such as demos and documentation.
- Served as Scrum Master for the project.

SITAR 2007-2009

"System for Intelligent Training And Readiness" was an adaption the commercial IWM targeted at scheduling maintenance work and training for Naval Aviation, maintaining the aircraft and the maintainer's readiness at the same time.

- Responsible for system / network administration for all servers and developer machines, including source control, wiki, issue tracker, and authentication.
- Responsible for testing, test cases, test plan, and test strategy documentation, and requirements traceability.
- Deployed a demonstration server at NAVAIR.
- Responsible for all database administration, including initial install and configuration, DDL and data installation, and schema changes. Migrated application from Oracle 9i to Oracle 10g.

CLASSRON 2007-2008

The CLASSRON project was aimed at adapting IWM for management of *Lean Six Sigma* projects for process improvement on Navy ships. Specifically, we worked with the FFGRON in Naval Station Mayport.

- Implemented CLASSRON processes in IWM.
- Worked directly with end-users at Mayport to define potential enhancements.
- Developed training and documentation for end users
- Responsible for testing.
- Responsible for system / network administration for all servers and developer machines, including source control, wiki, issue tracker, and authentication.
- Responsible for hosting the application for use in the pilot implementation.

Other Projects 2004-2008

Responsible for system / network administration and support on all projects previous to 2007.

Commercial product 2004-Present

Supported sales efforts and client support of the commercial version of IWM, including all technical work, marketing, enhancement requirement gathering and implementation, and defect resolution.

- Designed and implemented a mobile interface for IWM, allowing for worker interaction in the field.
- Designed and implemented new reporting system based on Jasper Reports Server.
- Provided direct user support, and made bug fixes.
- Successfully executed three major software revision updates, with no loss of data and minimal downtime for the clients.
- Implemented IWM in both traditional facilities maintenance domains and demo implementations in other domains, such as healthcare, vehicle shop management, and IT.
- Recovered all data and moved a client to a new host when their client-supplied on-site machine failed.
- Responsible for hosting and backup of client installs.
- Created user manuals, marketing material, demos, and website information. Attended and performed demos at sales meetings.

AMICORP, INC DE LAND, FL 2002-2004

Company pilot, network administrator, and CNC shop maintainer / operator. Responsible for system and network administration, updates, backups, and connectivity at two retirement communities. Responsible for operating and maintaining QNX-based router table for manufacturing of signs and cabinetry, and flew as needed. Mac and Windows environment. Also did freelance flight instruction during this period.

COUNTY OF VOLUSIA DE LAND, FL 1999-2000

System administrator for County of Volusia Environmental Management department. Maintained 75 Windows machines at three locations across the county. Responsible for hardware and software, network connectivity and connectivity to the IBM S/390 in De Land.

PEGASUS INNOVATION GROUP LAKE HELEN, FL 1997-1999

Pegasus Innovation Group provided online training for public service personnel. Responsible for system and network administration for the company. Handled hosting of the WebCT training service, and many websites. Responsible for Perl CGI programming for client's websites. Servers initially used Red Hat Linux 5.2 and later moved to SuSE. Windows client machines.

EDUCATION

Delta Connection Academy, Sanford, FL — Commercial ASEL, AMEL, Instrument Airplane, CFI
2000-2002

REFERRALS

Justin Foreman, IT Manager, SAIC - 407.928.0464

Michael Peter, Project Manager, MasterLink Corporation - 202.841.2818

Ken Levine, Chief Architect, MasterLink Corporation - 386.663.4071

Gary Friar, COO, MasterLink Corporation - 407.361.7457