Alex Rockwell
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EXPERIENCE

Created visualization of the organizational hierarchy of UF, from semantic web data in VIVO.
Designed and implemented several open source utilities to extract and manage RDF data.
Managed installation and upgrades of VIVO.
Automated server configuration with Ruby Chef.
Designed and implemented two internal web applications with over 100 users.
Helped maintain legacy web applications on a large code base (>200 KLOC).
Led migration of more than 20 web applications from Jetspeed Portal to JBoss Portal.
Implemented automated software testing to improve development time using TestNG.
Developed an automated backup solution for DB2 using TSM to handle 40 GB of data.
Designed and implemented an automated database growth size tracking system.
Helped develop the information architecture for the UF home page (www.ufl.edu).

WORK HISTORY

System Administrator, University of Florida, Marston Science Library, 2010-current
Design and implement data maintenance scripts and manage installation of VIVO (vivo.ufl.edu).

Web Developer, University of Florida, Department of Housing, 2008-2010
Design and implement web sites for the Housing Portal (my.housing.ufl.edu).

Database Administrator, University of Florida CNS, 2004-2008
Support, tune, and maintain DB2 on Linux, Windows, and AIX.

Web Developer, University of Florida, Web Administration, 2001-2004
Design and implement websites using Perl, JSP, and Java Servlets.

SKILLS

Programming Languages
- Significant experience with Java, Ruby, and Javascript.
- Some experience with Bash, Perl, Python, and Objective-C.

Programming Frameworks
- Significant experience with Struts, Seam, Hibernate, and jQuery.
- Some experience with Ruby on Rails, RSpec, and TestNG.

Web Technologies: Significant experience with HTML, CSS, XML, and RDF.
Software Tools: Significant experience with Vim, Git, Subversion, and Eclipse.

Databases
- Significant experience with DB2 and MySQL.
- Some experience with Redis.

Data Querying Languages: Significant experience with SQL and SPARQL.
Operating Systems: Significant experience with Linux, Mac OS X, and Windows.

EDUCATION

University of Florida, Gainesville, Florida
BS in Computer Engineering; May 2004

REFERENCES

Sara Russell Gonzalez - Science Librarian - 352-871-3992

Brandon Vega - Business Applications Manager - 352-392-2171
Daniel Westermann-Clark - Senior Web Developer - 352-871-8206