

Alex Rockwell
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352-281-6571

FULL-STACK PROGRAMMER

Full-stack programmer with experience from DevOps, database design, application development, data analysis, and UX design.

SKILLS

Programming Languages: Ruby, Javascript, Bash, Java, and Python
Web Development: HTML5, CSS, Rails, jQuery, XML, JSON, and RDF
Software Tools: Vim, Git, Subversion, and Eclipse
Databases: MySQL, DB2 and Redis
Data Analysis: SQL and SPARQL
Operating Systems: Linux, Mac OS X, and Windows

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).

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.

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

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.

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

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.

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

Helped develop the information architecture for the UF home page (www.ufl.edu).

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