ALEX ROCKWELL

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FULL-STACK PROGRAMMER AND DEV OPS ENGINEER

Experience in 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
- 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 and deployment with Ruby Chef.

Web Developer
University of Florida, Department of Housing, 2008-2010
- 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
- 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.

PORTFOLIO

- Visualization of UF's org structure using data from VIVO:
  http://github.com/arockwell/vivo_org_chart
- Program to generate this resume in text, html, and pdf format: http://github.com/arockwell/resume
- Programming blog: http://alexrockwell.org.
- Web design example: http://nodetracker.com (app is still in prototype stage)

EDUCATION

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