

# ALEX ROCKWELL

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## Full-stack Programmer and DevOps Engineer

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Experience in DevOps, database design, application development, data analysis, and UX design.

## Skills

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| 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

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### 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

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- Visualization of UF's org structure using data from VIVO:  
[http://github.com/arockwell/vivo\\_org\\_chart](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

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