

Nathan Day  
Software Development Engineer

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## EMPLOYMENT HISTORY

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### Freelance Software Developer

Jan. 2014 – Present

*Self-employed, Birmingham AL*

Software application and system design, prototyping, and development.

- Dryad Digital Repository (2016): back- and front-end development to improve metadata-harvesting interface and browser interface for online digital repository.
- Printing-services client (2015 – 2016): early-stage application and system design, specification, and prototyping for electronic statement delivery platform.
- Literary Paris / Maps and Texts (2015): web and markup development for a digital humanities start-up project supporting literary cartography coursework.
- Dryad Digital Repository (2014 – 2015): back- and front-end development to support prototyping of new application interfaces; development and maintenance of application services and development infrastructure.
- Open Bibliography (2014): web and markup development for a digital humanities start-up project supporting online publication of descriptive bibliographies.

**Technologies:** Java, SQL, Javascript, XSLT, Bash, Perl, Python, HTML/CSS; Linux, AWS, PostgreSQL, MySQL, SOLR, Vagrant/Packer, Ansible, Apache, Tomcat, git

### Software Developer

Oct. 2013 – Dec. 2013

*Grant Street Group, Pittsburgh PA*

Application development for TaxSys, a tax collection and cashiering web service.

- Back- and front-end software development.

**Technologies:** Perl, SQL, Javascript, HTML/CSS, Linux, Bash, git

### Engineer, Software Development

Feb. 2012 – Aug. 2013

*3M, Health Information Systems (via CodeRyte, Inc. acquisition), Bethesda MD*

Implementation engineering for CodeAssist, a medical record coding web service.

- Implementation engineering for custom data integration engine during client on-boarding.
- System, application, and data troubleshooting and issue resolution for client-facing teams.
- Review of configuration specifications and client data prior to engineering hand-off.
- Support and training of junior implementation engineering staff.

**Technologies:** Perl, SQL, XSLT, Javascript, HTML/CSS, Bash, Linux, svn

### Software and Support Engineer

Oct. 2009 – Feb. 2012

### Customer Support Specialist

Oct. 2007 – Oct. 2009

*Inera, Inc., Belmont MA*

Support, maintenance, and development of eXtyle manuscript editing and production application.

- Development and maintenance of user-interface, platform, and system code.
- Maintenance and development of build system, testing suite, and issue-tracking database.
- Implementation and quality control of client editorial and production configurations.
- Delivery of technical support, end-user training, and application platform training.
- Product prototyping, scripting, and document analysis for pre-sales support.

**Technologies:** Perl, XSLT, VB6/VBA, Windows, BAT, vss

## EDUCATION

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MS, Computer and Information Sciences (2016), University of Alabama at Birmingham  
Certificate, Embedded Systems Engineering (exp. Dec. 2017), University of California, Irvine

*last updated January 9, 2017*