

# BEN GUARALDI

www.benguaraldi.com

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## OBJECTIVE

Seasoned development team lead with two decades of experience in designing, developing, and managing complex systems. Seeking to apply my technical skills and leadership expertise to propel impactful, mission-driven projects.

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## PROFESSIONAL EXPERIENCE

### United States President's Emergency Plan for AIDS Relief (PEPFAR)

Washington, DC

*Development Team Lead*

2016-present

Lead technical operations and custom application development for DATIM, the U.S. Government's global HIV/AIDS data platform, supporting over 100,000 health facilities across 50+ countries.

- Build and maintain PEPFAR's utility repository (3,000+ commits in Python, SQL, R, Node.js, Ansible, Bash) for DHIS2 upgrades, data loads, metadata changes, and automation
- Supervise and mentor a team of nine developers: define project scope, assign tasks, clarify requirements, review code, oversee QA, and onboard new engineers
- Develop and maintain 19 ReactJS DHIS2 apps for DATIM's use, six of which are open source; functions include user administration, approval workflows, and data deduplication
- Develop and maintain the Mechanism Importer, a Python application for ingesting metadata from FACTS Info to managing sharing and other metadata
- Develop and maintain MERTide, a Python script that generates dynamic, tabbed DHIS2 data entry forms with calculations, validation, and static HTML drafts, used for quarterly Monitoring, Evaluation, and Reporting (MER) metadata updates
- Collaborate directly with DHIS2 core developers at the University of Oslo to propose and implement PEPFAR-required enhancements
- Serve as a Tier 3 subject matter expert for data collection, PEPFAR's user model, DHIS2, approvals, deduplication, data calendar, and more
- Author technical documentation and DHIS2 manuals (top 15 contributor)
- Animate, edit, narrate, and produce training and promotional videos for internal and public audiences
- Present regularly at the DHIS2 Symposium and the DHIS2 Annual Conference on topics including approvals, attribute option combos, custom forms, data modelling, and metadata management

### iFactory

Boston, MA

*Solutions Architect*

2014-2016

Consulted on technical aspects of web development projects throughout their lifecycle, from pre-sales to launch.

- Wrote technical portions of 130 web development proposals representing over \$13M in sales. Prepared and presented the technical portions of 50 pitches based on these proposals, which led to winning 30 projects
- Vetted and managed vendors to implement projects in Cascade Server, Craft, Django, Drupal, ExpressionEngine, eZ Publish, Kentico, Plone, Salesforce, SharePoint, Sitefinity, Spotlight, Typo3, and WordPress
- Grew our internal Drupal/WordPress development team from one developer to nine developers
- Oversaw website development, managing risk and translating technical language for non-technical team members and vice versa
- Researched, reported on, and recommended software solutions for various clients including Stanford, Bennington, Harvard Library's Colonial North America collection, MassArt, and Rutgers Admissions
- Wrote HTML, CSS, Javascript, and PHP for several client websites: roadside-mba.stanford.edu, bennington.edu, framingham.edu, health.ri.gov/homehealth, itrekleaders.org, and rc.partners.org

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**ADDITIONAL PROFESSIONAL EXPERIENCE**

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**Boston University Center for Digital Imaging Arts**

Waltham, MA

*Web Development Instructor*

2012-2014

Taught classes to adult students on web development technologies including PHP, MySQL, Javascript, jQuery, mobile web development, htaccess, Bootstrap, Apache Cordova, and AJAX. Topics included:

- Planning, writing, commenting, and debugging code
- Normalizing, importing, and querying databases
- Writing code that writes code
- Interacting with web services including Flickr, Twitter, Paypal, and Authorize.Net
- Developing mobile apps including a coupon calculator and a notepad
- Developing websites and applications including personal portfolios, film catalogues, magic 8-balls, screensavers, and computer-vs-user blackjack
- Security including protection from SQL injection, remote command execution, price manipulation, cross-browser scripting, permissive authentication, and brute force guessing of session ids

**48 Hour Film Project**

International

*Chief Technology Officer / Director of Outreach*

2005-2011

As CTO, implemented and maintained the corporate technology infrastructure used by the headquarters team, 100 consultant city producers, and 50,000 international participants each year.

- Rewrote and maintained a 600-page, interactive, database-backed, public website: [www.48hourfilm.com](http://www.48hourfilm.com)
- Initiated, developed, and maintained a 100-user, 200-page intranet including a content management system, database management and reports, database-integrated and timed-delivery mass emails, a calendar of worldwide events, syllabi, blogs, photo approval workflow, and automation of many common tasks
- Built and managed a server to deliver targeted mailings to 50,000 subscribers spread over 100 lists
- Developed an e-commerce system to bill 1,000 customers each year

As Director of Outreach, was core communications strategist between management team and project participants.

- Hired over 120 staff to produce the competition in 100 cities and 25 countries, increasing by 400% what was already the largest timed film festival in the world. Extended the festival's reach to all six continents
- Assisted with the planning and execution of post-season competitions and Filmapalooza, our annual culminating event for 200 filmmakers, held in conjunction with the National Association of Broadcasters, the Miami International Film Festival, and Cinequest. Increased by 500% the size of Filmapalooza
- Co-wrote, directed, edited, and acted in *What's the 48*, a promotional film for the festival, featuring the work of 140 filmmakers from 10 countries
- With the rest of the management team, supervised 100 cities each year, servicing 50,000 filmmakers

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**EDUCATION**

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**Dartmouth College**

Hanover, NH

*Bachelor of Arts, Major in Film Studies with focus on Computer Science*

1995-2000