Matthew D. Eernisse

713-398-3106 (cell)
mde@fleegix.org
http://fleegix.org/
http://twitter.com/mde
http://github.com/mde

Writing

Author, *CouchDB in Action*
Book, Manning (in progress)
http://www.manning.com/eernisse/

Author, *Build Your Own Ajax Web Applications*
Book, SitePoint, May 2006
http://www.sitepoint.com/books/ajax1/

Author, "A Simpler Ajax Path"
Article, O'Reilly Network's OnLAMP.com, May 2005
http://www.onlamp.com/pub/a/onlamp/2005/05/19/xmlhttprequest.html

Consulting editor, *Universal Principals of Design*
Book, Rockport Publishers, 2003
http://www.stuffcreators.com/upod/

Open Source Participation

Windmill testing framework (http://www.getwindmill.com/) — committer (JS test engine)

Chandler Server (http://chandlerproject.org/) — committer

Dojo JavaScript Toolkit (http://dojotoolkit.org/) — contributor (datetime utilities, Olson zoneinfo parsing

Strophe.js XMPP client lib (http://code.stanziq.com/strophe/) — contributor

Fleegix JavaScript Toolkit (http://js.fleegix.org) — creator

Merb (http://merbivore.com/) — contributor

Work Experience

Slide
Developer (2009-present)
Front-end and mid-tier work on social applications and games in JavaScript, Python, and ActionScript -- including reusable UI components in Flash. Built a Flash automation framework to integrate with existing Windmill infrastructure.

Seesmic
Web Developer (2008-2009)
Built the REST API used by both third-party developers and internal client apps — written in Ruby using the Merb Web framework, wrapping an internal, ad-hoc Java API. Lead development on the Ajax Web UI, built in JavaScript and Ruby.

Open Source Applications Foundation
Web UI Developer (2005-2008)
Designed and developed the Web UI for Chandler Server (AKA "Cosmo") personal information manager (PIM) server. The Web UI is a single-page Web app created client-side with JavaScript/CSS/DOM code. The backend of the app is Java (JSP/Spring/Hibernate).

Core committer on the Windmill Web-app testing framework. Wrote the JavaScript testing framework, a JSUnit-compatible framework for running client-side, pure-JavaScript tests on Ajax applications.

Eduneering, Inc./KnowledgeWire, LLC
Web Application Developer (2000-2005)
Designed and developed Web-based administrative tools for the KnowledgeWire and ComplianceWire Web applications. These are enterprise-class learning management systems (LMSs) built with JavaScript/CSS/DOM, ASP/ASP.Net (VBScript/C#), and MS SQL Server. Also developed internal Web apps in Ruby/PHP and PostgreSQL.

Web Content Producer (1998-2000)
Designed and developed interactive, Web-based instruction, including content development, HTML coding, graphics, multimedia, server-side VBScript and client-side JavaScript code.

NGG USA, Inc.
Communications and Media (1996-1998)
Exchange-study programs between sister schools and cities in Japan and the United States. Also worked with document translation and interpreting from English to Japanese and from Japanese to English. Transitioned NGG from fax-based communication to e-mail, and built NGG's first Web site. Launched a localization and translation business.

Japan Exchange and Teaching (JET) Program
Assistant Language Teacher (1992-1995)
Japanese-government-sponsored program for teaching English in Japan in the public school system — I lived in Japan, and taught English and developed curriculum for English learning at the junior high school level.

Skills

- JavaScript (cross-browser JS/DOM/CSS)
- Dynamic languages — Ruby, Python, PHP
- CSS
- Rails, Merb, Sinatra; other Web frameworks (Django, Pylons)
- JavaScript toolkits — JQuery, YUI, Dojo, Prototype, MooTools, etc.
- UI design, usability, accessibility
- REST, Web services in JSON/JSONP/XML, etc.
- ActionScript (AS3)
- vi/vim
- Adobe Photoshop, GIMP
- SQL (PostgreSQL MySQL, MSSQL)
- RCS — Git, Subversion, CVS, etc.
- Unixy OS (Ubuntu/Debian, Gentoo, Red Hat/CentOS, Mac OS X, etc.)
- HTTP servers — Nginx, Apache, IIS

- Memcache
- NoSQL datastores (CouchDB, Redis)
- Server-side JS (NodeJS, Narwhal)
- SMTP/IMAP/POP — Postfix, Sendmail, Courier
- Basic *nix command-line utilities — grep, awk, sed, cron, rsync, etc.

Education

M.Ed in Instructional Technology (1997-2002)
Completed M.Ed. in Curriculum and Instruction: Instructional Technology with a 3.8 GPA at the University of Houston.

B.A., English Literature / Biology Minor (1987-1992)
Attended University of Houston on a National Merit full scholarship. Graduated cum laude with a B.A. in English Literature and a minor in Biology, with membership in the University Honors Program (now the Honors College).

Personal

Languages
I am a native speaker of English. I speak Japanese as a second language.

Music
I'm interested in a lot of different music genres including rock, jazz, world music, ambient groove, triphop, and even Japanese enka, a genre most people describe as being sort of like Japanese country music. I play the drums well, and a lot of other instruments badly.

Streamcasting
Since 2000, I have been running a Webcast radio station, EpiphanyRadio (epiphanyradio.org) — an MP3 stream at 128Kbps that plays mostly downtempo groove music by independent artists.

Travel
Countries I've visited include Japan, Thailand, Korea, Hong Kong, Macau, Indonesia, Cambodia, Vietnam, China, Nepal, India, Holland, Belgium, and Kenya.

Reading
I read a wide range of things including literature, philosophy, physics, new media, science fiction, fantasy, and books on software engineering and programming.

Family
My wife is named Masako. We have three boys: Hiromasa, Akira, and Yoshiki.