

Extra

Very Comfortable With:

Go Language, JavaScript, Ruby, Clojure, OO and Functional Programming, SQLite, Git, Redis, Vim, Application Architecture, Design Patterns, Regexes, FRP (MostJS), MithrilJS, ReactJS, MicroServices

Experience With:

Java, MongoDB, RabbitMQ, Rack, Rails, CFEngine, Gerrit, PostgreSQL, Flex SDK, AS/AS2, Munin, CouchDB, HAProxy, nginx, Jenkins, Scrum, J2EE, JBoss, Maven, Ant

Toy Around With And Would Love To Work With:

OCaml, Common Lisp, Android, Lua, APL, J, K, KDB, Q, Forth

Have Worked With In The Past:

XSLT, ColdFusion, PHP, SVN, Perl, LaTeX, AngularJS

Natural Languages

English and Portuguese

Details From Previous Years

Zinc

USTC

- Secure wrapper of an In-Memory SQLite database
- Written in Go language with IUP Toolkit
- Provides a simple migration path to a future web interface
- Supports custom reporting mechanism through Go Templates and standard SQLite SQL

Facilities Management Tool (Schedtacular)

BYU MTC

- Refined requirements through weekly meetings with several potential clients
- Researched and implemented simple, fast tools and processes for interactive floor plans
- Currently exploring wall-embedded options for managing room scheduling

Content Distribution Tool (MediaPortal)

BYU MTC

- Key manager in expansion of in-class hardware to facilitate new multimedia demands
- Designed and created extensible content management and delivery tool
- Created video subtitle tools that follow industry standards and ease translation work

Process Standardization

BYU MTC

- Explored existing organizational structure to find individuals who could facilitate change
- Led several inter-team discussions to isolating problems and implementing solutions
- Ensured all efforts were in-line with Department Director's mission, vision, and strategy

Mission Address

BYU MTC

- Architected and implemented jQuery, Clojure, JBoss, and Oracle solution in 1 day
- All bug-fixes and additional feature requests resolved in less than 1 day
- Isolated and fixed stability issues to maintain worldwide 24/7 availability