Richard Lyman

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Experience Overview
- Very comfortable with people, technology, and business
- 3 years (in current job) as Senior Full Stack Developer
- 4+ years (in recent jobs) as Architect helping migrate to GCP (BigTable)
- 20+ years of ECMA-262 (AS3 / JavaScript) languages
- 9+ years Golang (REST-based Microservices)
- 20+ years software engineering (10+ as Senior)

Employment

Senior Full Stack Developer   MX
  Q3 2020 - Present
- Carried new initiative project from inception to shipping v1 over two and a half years
- Integrated CI/CD from scratch to ship a master branch based client preview with automated A11y-based testing and verification
- Led weekly reviews with client on state of implementation and coordinated technical integration efforts with third-party API provider

Software Architect / Tech Lead   Solutionreach
  Q3 2017 - Q3 2020
- Designed system rewrite and trained dozens of engineers for 100MM ARR application
- Defined and led architectural enhancement and maintenance processes across 10 teams
- Coordinated with C-level, executive, product, sales, and support teams on engineering roadmap and technical details necessary to shipping new functionality

Principal Full Stack Engineer   DELL EMC Data Protection Cloud
  Q3 2015 - Q2 2017
- Supported globally distributed UI development teams with custom components
- Architected and implemented end-to-end POCs for several features

Lead Engineer - UI   EMC CTD Data Protection Cloud
  Q1 2014 - Q3 2015
- Recognized with elite Midas award for Innovation across all of CTD Cloud R&D
- Traveled to other work-sites to train developers on the details of a new UI Console
- Delivered several POCs with a high iteration rate, vague requirements, and tight timelines

Senior Software Engineer   EMC - VMware - Mozy
  February 2012 - Q1 2014
- Analyzed and successfully reconfigured complex distributed architectures

Lead Flex Architect / Manager   BYU Missionary Training Center
  April 2005 – February 2012
- Architected and implemented an online Adobe Flex based interface to mimic the previous Java Swing interface from a large (400k+ lines) existing learning system

Independent Contractor and Consultant   Various
  1998 - Present

Extra

Very comfortable with:
> Go language, JavaScript, OO and Functional Programming, SQLite, BigTable, Git, Redis, Vim, Application and System Architecture, Design Patterns, Regexes, FRP (MostJS), React, Redux, Esbuild, MithrilJS, Microservices

Experience with:
> Ruby, Clojure, Java, MongoDB, RabbitMQ, Rack, Rails, CFEngine, Gerrit, PostgreSQL, Flex SDK, AS/AS2, Munin, CouchDB, HAProxy, nginx, Jenkins, Scrum, J2EE, JBoss, Maven, Ant, D3

Toy around with and would love to work with:
> OCaml, Common Lisp, Android, Lua, APL, J, K, KDB, Q, Forth, Shakti

Have worked with in the past:
> XSLT, ColdFusion, PHP, SVN, Perl, LaTeX, AngularJS

Natural languages:
> English and Portuguese

Inventor on patent around delivery and integration of segmented web applications

Non-Confidential Projects 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