CLINT MOORE

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WHAT I WANT TO DO:
Solve difficult problems and grow my knowledge with a team of others preferably more intelligent and knowledgeable than I.

WHAT I'M GOOD AT:
Solving difficult problems in creative ways. Viewing problems from different perspectives by stepping outside of my comfort zone. Whether it's monad transformers in Haskell, 'let over lambda' object creation in Common Lisp, or simply hanging shelves, I apply this approach to everything.
Architecting complex systems (especially high throughput messaging systems) for reliability and redundancy.

WHY I THINK I'M GOOD AT IT:
I can sit down, without a book or access to Google/Stackoverflow/etc. and write a solution to a problem in either Erlang, Haskell, Common Lisp, Perl, Ruby, and Python.

I have designed and implemented high throughput messaging systems (~100k messages per second) using both plain sockets, and ZeroMQ one of which is still in production and has been running continuously, and I really mean no downtime whatsoever, since October of 2006.

Programming is as much of who I am as what I do. I have had one project or another to work on constantly since I was 12 years old. I have no delusions that I know everything there is to know about anything, nor do I have an inflated ego to protect. I crave knowledge and understanding and to that end I delight in being proven wrong about even long-held assumptions.

EXPERIENCE:

NINJABLOCKS — 4/2012 - 6/2012
Haskell programmer for this kickstarter.com funded startup. Worked with, but did not design messaging framework and network communication strategy. Developed a sensor and data collection daemon that ran on Arduino ARM machines. This collected data was then sent in real time to a central server which provided analytics. All of this was written in Haskell.

THOUGHTLEADR — 12/2011 - 4/2012
Devops Engineer for this startup in San Francisco. Configured, wrote, and maintained services and tools for other developers. Managed and developed build and deployment automation, systems and network monitoring, including automating the creation of virtual machines that, once running, were fully patched, toolchain and support libraries installed, and then the software was built and tested.
Primary language was Haskell.

TECHNOLOFT, LLC — 2/2010 - 10/2011
Co-founder of this startup. Delivered a Mac OS X Cocoa application written in Haskell using a thin type translation library between Objective-C and Haskell. This program is in use in over 10,000 retail stores nation-wide.

WHITEPAGES.COM — 9/2009 - 1/2010

Part of a team of 7 concerned working with Ruby on Rails. Time split between general HTML, CSS, and Javascript issues, and new development. In addition to this, I started an internal program to teach alternative programming languages and taught a weekly course on Functional Programming focused mainly on Haskell and Erlang.

DOUBLE PRIME — 5/2009 - 10/2009

Legacy E-Commerce site maintenance using mod_perl on Solaris. Troubleshooting HTML, CSS, and Javascript issues including localization for major markets. Required professional and approachable communication of technical details with customers.

BLUE BOX GROUP, LLC — 3/2007 - 4/2009

Wrote an internal billing and provisioning interface in Ruby on Rails. Provisioning system not only tracked resources such as IP addresses, Virtuosso instances, and physical servers, but also included a system for automatically scaling sites under extreme load.

BLUE BOX GROUP, LLC — 3/2007 - 4/2009

I was the single systems and network administrator. Maintained and troubleshot very large Ruby on Rails clusters for our premier customer which regularly saw 40 million unique users a day. These clusters usually consisted of 6 front-end Ruby on Rails application servers, 4 MySQL servers in a 3x master configuration, and 1 Memcache server. In addition to this, I was responsible for network services and hardware including the Communigate Pro email server, Postini spam filtering, F5 and Barracuda load balancers, and Cisco routers.

CRYPTONETS LLC — 5/2006 - 2/2007

Designed and implemented a customer-facing web site for a real estate company. The front end was Ruby on Rails, and the backend was written in Erlang. The site provided realtime updates to properties and pulled Multiple Listings Service data from several providers.

AMAZON.COM — 3/2005 - 4/2006

Part of a team of 8 concerned with new development for the international release of Amazon.com co-branded VISA card. Majority of the development was done in Perl with HTML::Mason, and Javascript. First exposure to Agile software development.

INTEGRATED CONCRETE SYSTEMS — 6/2002 - 1/2005

Software development for a large construction industry company. Developed an automated crew, materials, and vendor logistics system. The site front-end was first written in HTML::Mason and Perl, then later refactored to Ruby on Rails. The backend was initially written in Perl using the POE hierarchy of modules to handle concurrent requests to backend resources, and then later refactored to Erlang. In addition to this I also wrote a front-end for Nextel mobile phones in Java using J2ME.

CENTRAL DESIGN SYSTEMS — 6/2001 - 5/2002

Central Design Systems was a solutions provider mainly focused on Sun hardware. I was concerned with all aspects of delivering the physical servers to customer sites. Mainly concerned with configuring, troubleshooting, software installations, and storage configuration.

SAPIENT HEALTH NETWORK — 1/1998 - 5/2001

SHN maintained around 20 Solaris servers to host the site that later became WebMD. I was concerned mainly with security and patching. I developed an automated system that periodically inspected all servers in parallel for intrusion detection, patch status, and password strength.

SPIRE TECHNOLOGY — 1996 - 1997

This small Portland ISP ran a set of around 10 Redhat Linux servers running on commodity PC hardware. As the lone systems and network administrator, I installed, maintained, and configured Cisco routers, Livingston Portmaster terminal servers, troubleshot modems as we had physical modems hanging off of the term servers, as well as regular user issues like email, password resets, etc. In addition to this, I was responsible for installation and configuration of our business customers to whom we sold Frame Relay connections.

TRANSPORT LOGIC — 1996 - 1994

I was the lone systems administrator for this small Portland ISP. We ran Linux with the exception of our NNTP server which ran FreeBSD. My activities mainly centered around new service migrations, user issues, and product research.