Paul Tchistopolskii

Mountain View, CA. Relocation / travel is no problem.

pault12345@yahoo.com

10+ years of hands-on coding, 5+ years of telecommuting
 10+ years in Silicon Valley
   8+ years of enterprise data centers/clusters
   3+ years of social media, search/discovery/SEO/viral
 10+ years of LAMP (Perl/PHP/Python)
   7+ years of C/C++/Java
   6+ years of designing, optimizing and maintaining databases (MySQL, Oracle)
 10+ years of enterprise *nix experience (Linux, FreeBSD, RedHat, CentOS, Ubuntu)
  4+ years with caching/streaming/search technologies (memcached, nginx, sphinx)
  6+ years of hands-on cloud computing, AWS, RighScale, Rackspace, Open Stack, GAE
  1 year of Hadoop – HDFS / HBase / Map-Reduce (streaming). Cloudera Training.

US Citizen.   BS in Mathematics – Moscow Pedagogical University. 1991.
Home Page: **http://www.pault.com**

BEST FIT
Results driven. DevOps / Automation / SRE.

WORK EXPERIENCE

October 2015 - December 2015. Huawei. Santa Clara, CA.

Cloud DevOps. Enterprise contract. Ported set of Open Stack install scripts to CentOS v 7 /
Ubuntu v 15. Vagrant / Python / Bash / Ansible / Chef / Cobbler / Jenkins / Gerrit / git.

April 2015 - September 2015. CA Technologies. Santa Clara, CA

Cloud DevOps. Enterprise contract for CA Technologies. Hands on (coding). Architecture.
Clouds. Automation. Distributed data centers.

Implemented several non-obvious pieces of code for automation of cloud deployments for on-
premises / public cloud (based on VmWare / public clouds API). The language of
implementation - Python with a bit of Perl. There was an interesting twist, related to emerging
industry standard for Orchestration for Cloud Applications.

Vagrant, Docker, VMWare, ESX, Pyvmomi, Cloud APIs, Ansible, Cloudify, Elastic Search,
Celery, RabbitMQ, Bash. Hosted personal SVN server (SVN over http)

April 2014 - October 2014. Topix LLC. Palo Alto, CA

Senior Software Engineer. R&D on viral videos, viral news. Content discovery on social media. Detection of shills networks. Relevancy based on adjacency. Perl and a little bit of Python. A bit of machine learning, a bit of distributed systems (clusters of crawlers and such).

March 2014. Apple. Sunnyvale, CA
DevOps. Python contract. Mobile QA/Testing/Automation blend of Squish and Python.

October 2013. HP. Sunnyvale, CA
DevOps. Python contract. DevOps. Python, Ansible, Cassandra, Open Stack. HP Cloud.

Oct 2010 – Sep 2013. Cisco WebEx. Santa Clara, CA

DevOps. SysTools group. PHP, Python, Perl, Java, RabbitMQ, Bash

OpenStack, KVM, ESX, lib-virt, Ubuntu, CentOS, RHEL, yum
Hadoop, HBase, Pig, OpenTSDB, HA Hadoop Cluster
BMC Remedy, ITSM, Atrium CMDB, Oracle 11G RAC
JMX, WebLogic v 8.* and v 9.*
ITIL, Compliance, High Availability, Capacity Planning
Cisco ACE configuration/automation
Cacti / BPPM – custom dashboard(s) for 1000s of nodes
Graphite, Flot, jQuery

My job at WebEx was hands-on technical role, mostly implementing stories produced by PM/ Scrum master. Overall, there were 3 major projects (in chronological order):

1. Implementation of BMC Atrium CMDB. This project had professional PM (certified by BMC). I've installed BMC ITSM Suite in dev/staging/production environments - including high availability. To comply with WebEx technical infrastructure, had to work with several departments (such as imaging/builds and DBA). Successfully passed BMC audit. After a year, the project was hand off to external vendor.
2. Various little R&D projects in WebEx QA lab. OpenStack, Hadoop (implementing Cloudera CDH-based HA install), OpenTSDB, Some JMX tooling for some groups, some architecture/prototyping for other groups. Too many little projects.
3. Last (1+ year) project was Capacity Planning Portal. I designed, implemented and deployed (dev/staging/production) various data-gathering pipelines and corresponding custom UI dashboards for different kinds of system and application metrics. 1000s of production servers were covered. The goal of Capacity Planning Portal was to enable service owners to act on trends in capacity, to help them deliver on SLA.

Feb 2010 – Sep 2010. Fwix (San Francisco, CA)

Engineer. Built Fwix's Local Index: http://techcrunch.com/2010/06/03/fwix-geo-index. Before that - scaled Python pipeline by 10x, did plenty of datamining, aggregation, Rackspace, Google App Engine, a bit of Cassandra, Memcached and Redis. Pylones, PHP. Ruby (Chef-solo). Mostly doing impossible R&D tasks and rewriting legacy Python codebase. For Local Index - written 40+ adapters, mostly in Python, some in Java (Firehose Twitter Client, Firehose Google Buzz client e t.c.). Implemented and deployed in production an in-house replacement for Google's GeoCoder.

March 2009 – Oct 2009. Friend Finder Network (Sunnyvale, CA)

Engineer. Ported substantial parts of codebase from Perl to PHP.

Oct 2008 – Feb 2009. box.net (Palo Alto, CA)

Engineer. Implemented and deployed custom streaming/encryption/decryption/compression module for nginx state machine (ANSI C). Implemented and deployed a full text search stack capable of realtime indexing of 100K documents/day with support for binary MS formats (low-cost replacement for google search appliance - saved $1mln in licensing fees). C, Java and PHP. EC2. http://blog.box.net/?p=819

Mar 2006 – Oct 2007. livenation.com (San Francisco, CA)

Engineer. Designing, implementing, testing, maintaining, and deploying a highly scalable back end platform, database schemas, and infrastructure. Serving millions users. Implemented and deployed in production unique LAMP caching server (55K hits per second), boosted PHP server farm by the factor of 100. Implemented and deployed a custom search engine, replacing FAST, saving several hundred thousand in yearly licensing fees.

Oct 2005 - Mar 2006. Yahoo! Finance - contract

Engineer. http://finance.yahoo.com. Contract. Yoda system. (Yahoo's framework behind several portals) C++ / XML / XSL / Perl / JavaScript / AJAX. Implemented Futures and Commodities types. Patch consisted of 30+ files, some C++, some XSL e t.c. Most of the effort was reverse-engineering. Improved the way some of Yahoo! clusters are maintained. Designed and implemented non-obvious back end C++ code for real time streaming quotes (to survive estimated factor of 100 http traffic boost)

Jan 2005 - Oct 2005. Internet Advertising startup (lead generation)

VP development / CIO / Architect. Built, deployed and maintained several geographically spread data centers. Built, deployed and maintained scalable 365/24/7 zero downtime LAMP server farm, handling millions of users / hits / records with severe requirements for near real-time reporting

Feb 2003 - Jan 2005. QuickTree (acquired by Citrix)

Engineer. http://www.quicktree.com. XML Architect and lead developer. Java, C, Perl, compilers, embedded development. Wrote patented engine in C for wirespeed XML processing to be eventually placed into FPGA/ASIC. Ported Intacct.com XML gateway clustered webservice to accept WSDL/SOAP. Invented, designed and implemented enterprise WSDL/ SOAP compiler. Produced some patents. QuickTree got acquired by Citrix in September 2007.

Jan 2002 - Dec 2002. Intacct

Engineer. http://www.intacct.com. Core Architecture Team member. Requirements / Design / Implementation. PHP, Oracle, XSLT, XSL, HTML, CSS, Java, .NET. Reverse engineering. Designed and implemented a scalable UI engine (PHP/XML/XSL/CSS/Java Script) and then replaced legacy PHP code with that universal engine. That has changed look and feel of 150+ screens. The engine still works well in production mode.

Jan 2000 - Jan 2002. STLport Consulting Inc - contracts

Engineer. www.stlport.org. Consultant. Designed and implemented XML-related enterprise components for different companies on a contract basics. Java / perl / XML / XSL / Servlets / RMI / JNI / SQL / Python / Zope. C++ / MFC / Threads / Winsock / COM. J2EE (EJB, JMS, JDBC). Re-designed complex legacy Java applications to use open and scalable XML/XSL data flows. Technical reviewer for "XSLT Programmer's Reference" Wrox. 2001. One of authors of a book "Professional XSLT", Wrox. 2002

June 99 - Jan 00. RenderX

Cofounder / CTO / VP Engineering www.renderx.com. World known XML rendering engine. The first commercial (since October 1999 and to this day - the best in the world) implementation of XSL FO W3C Working Draft with scalable design and some know-how in rendering part.

Apr 98 - Jun 99. GlobalSight Corp (acquired by Transware)

Engineer. www.globalsight.com. Lead Developer. Re-engineered and changed undocumented data flows, optimized SQL queries to work up to 5-10 times faster e t.c provided engineering support for sales of GlobalSight's product to Cisco and GE. GlobalSight Corporation was acquired by TransWare in 2005.

Sep 94 - Jun 98. Moscow, Russia

BO. Software development company. Offshore development services, deployed by ISCUsa.com to Fortune 500 companies, including Cisco and 3Com. Gateway Adapter. C++, SQL, Informix, Oracle, DB2, ACE, RogueWave, PowerBuilder, Xplatforms. Deployed at some bank(s) in Chicago. Optimizing C compiler for 8051 – embedded development. Localization of banking system. VeriFone - OMNI POS.