Professional Resume - Ira Abramov

Developer, Project Chaperon, Knowledge manager, advisor and mentor in computing and IT based on FOSS and Unix.

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Living in Ramat Gan, Israel
Phone: +972-54-4731-963
Languages: Hebrew as a mother's tongue, excellent English

Experience:

- Nearly 30 years of system administration and DevOps running servers and networks based on GNU/Linux and Unix, including Solaris, HP-UX, IBM AIX and others.
- Knowledge management, Guided learning, teaching and community forming.
- Deployment, aggregative monitoring and automation of IaaS clouds with autoscaling and other dynamic features. Deep grasp of the architecture considerations of low I/O performance cloud environment and CAP considerations.
- Experience in Physical infrastructure deployment (interconnect/Ethernet bonding/ heartbeat/ VLAN/ RAID/ FailOver etc.)
- Well acquainted with server hardware controllers (ILO, DRAC, BladeCenter, IPMI etc.)
- Work experience with various client types, such as educational facilities, Software companies, ISPs.
- Information system management (build farms, version control, bug ticketing, Wiki, community sites, etc.)
- Firewalls (Commercial and IPtables), VPNs, ssh key management, SSL certs etc.
- Development: Ruby, Python, Perl and various shell tools such as bash, ksh, csh, awk, sed. Basic experience with C++, C, Java.

Employment:

Bluevine Capital - Senior DevOps engineer in the SRE team. Managing AWS instances under Chef and transition to containers. Development in BASH, Ruby, Python, Groovy. Moving infra management into code (Terraform, JJB). Various CI, logging, metering tools (Kafka+ELK, Prometheus, Jenkins, Grafana etc)	11-2018 - 06-2022
Lightbits Labs - Management of dev and testing infra, software+hardware product. Intensive use of containers, Virtual machines on QEMU+KVM, custom management automation solution based on Python and BASH.	04-2017 - 08-2018
OwnBackup - Management of cloud SaaS infrastructure (AWS and Azure, Puppet orchestration). 200 TB of sensitive client data (Banks, Insurance, Pharma) conforming to SOC, HIPAA and other requirements. Dealt with encryption considerations involved, etc.	04/2016 - 03/2017
CloudBand - Alcatel-Lucent (Now Nokia) - Developing System infrastructure for very large OpenStack deployments - Automated installations using Puppet, Rocks, Python, Perl, Shell for installing bare-bones, deployment of highly available OpenStack clusters in VMs on top and a Ceph storage cluster.	03/2013 - 03/2016
FewBytes technologies - Advocacy, Architecture design and project management of distributed systems • Cassandra, Solr, MongoDB, CouchDB, MySQL Clusters • Distributed web and cache systems (Apache, nginx, memcache,Varnish) • Load, redundancy and availability planning, rich experience with orchestrated deployment tools (Chef, Puppet) • Distributed monitoring and alerting (Nagios, Graphite, collectd, checkMK) • Performance metering and testing, Log routing and filtering (Logstash, rsyslog, ElasticSearch/Kibana) and further cloud tools. • Extensive knowledge and use of AWS tools. (CloudFormation, Cloudwatch+ASG, SQS, etc). • Additionally a brush with Storm clusters, CDNs, Wowza Media servers, and their incorporation in globally-distributed systems (various AWS locations, including media replication and backups between ZWS zones) • Typical projects included 15-70 machines, running 2-15 classes of machines for different cluster functions. example client system: Tomcat cluster serving data from a Cassandra backend, search results from a Solr back-end behind a distributed	11/2011- 03/2013

memcache+nginx group. An Apache-based web interface to the above API, video streaming by instances of Wowza VMs around the globe, all centrally managed and monitored (CheckMK, Logstash) under Opscode Chef, automatically deployed by CloudFormation and continuously backed up.	
Expand Networks – Development of a Linux distro on an embedded device, code build automation, version control, upgrade and installation. Scripting in Perl, Bash and Python.	03/2011-Dissolved
Self Employed consultant Information management, Computing, planning, mentoring, Project management and handholding. Subjects ranging from open and proprietary clusters, short integration jobs, optimizations and security. Among my clientele: Axxana, ModuMobile, Polycom, Discretix, Qlusters, ArelCom, Codefidence, Maccabi HMO and others.	2005-2011
Omnitech Eichut – Project manager, head of the GNU/Linux dept. Teaching, consulting, PreSale & PostSale.	2004-2005
Etagon – System developer – Scripting deployment, upgrade and management of a Cluster Appliance product.	2002-2003
Exanet – Product Maintainability – Designing UI, Software integration, managing knowledge and coordinating between 6 R&D teams. Also part of the team designing the automated installation of the cluster from bare-bones. Responsible for defining maintenance procedures, testing and documentation. Took part in planning and writing in several other subsystems of the product. Head documenter of the field support manuals.	2001-2002
Internet Zahav - Unix system Admin at an ISP.	1999-2000
InterHDL - (**Silicon Valley, California, Now Synopsis)** - Unix and GNU/Linux System Admin, in charge of company's developer stations and a build farm of 10 different Unix platforms.	1997-1999
Bynet - Technical project manager - Networks, telecom, GNU/Linux and Novel servers.	1994-1995
Full army service at the IDF - Electronics and telecom technician, Intelligence corps.	1991-1994

Education:

Computer Science studies at IDC, Herzlia.	1999-2001
Various programming courses at Foothill College, Los Altos, California	1998
First year Math and Business Management, Hebrew University, Jerusalem.	1995-1996
Ort College and Highschool of engineering, Electronics dept. Jerusalem.	1988-1991

Fields of interest:
- The seam of technology and society, making technology approachable and closing the digital divide.
- Information security, information integrity, user privacy.
- Efficient interpersonal management of knowledge, human cooperation.
- Activism in the Free Software movement, the Digital rights movement, the Scientific skeptics movement, the society for sustainable/ecological economy, the public knowledge workshop and the green movement party. Gave talks in various conferences and unconferences about skepticism, popular science, knowledge sharing culture, sustainability, online privacy, public information transparency and social change.

Skills:
- Abilities to analyze and simplify. Loves to teach and mentor, enrich knowledge and help guide projects. Believes that knowledge sharing improves clients/employers' in-house abilities and system ownership, enabling a more sophisticated use of resources for future projects.
- Experience in service, pro-active planning and managing of projects - both technical and executive sides. Marketing POV.
- Years of experience in infrastructure setup, process definition and pushing organizational learning and cooperation between teams.
- Wide knowledge of software and communication solutions (not staying in single vertical pre-conceptions). Ability to see the big picture at the early stages of project planning.
- Fast self-learning abilities, always keeping an eye on neighboring knowledge fields, as the FOSS ecosystem and modern computing designs necessitate.
- Keenly interested in knowledge management and sharing systems, such as Wiki documentation and other facilitation tools.