Ruslan Doroshenko

Sr. Systems Architect

Expertise

Design efficient and scalable web solutions.
Solve challenges related to high traffic websites.
System and software architecture.
Database design and administration.
Internet security and monitoring.
UNIX system administration.
Team leading and coaching.

Most Recent Work

Infinite Minds *(http://doroshenko.ca) — systems design consulting*

Specialize in system audit (crashes, hacks, overload)
Provide clients with solutions to problems related to systems performance, scalability, security, and architecture
Onsite emergency support

BetterMail *(http://bettermail.ca) — email marketing service*

Develop fast email delivery solutions
Provide 24/7 system support
Uptime SLA upgrade (99.99% uptime required), 100% uptime since implementation
Database administration, query optimization
Event based processing
Consulting related to software development
New technologies research

Instaclick *(http://instaclick.com) — dating site platform*

Developed and implemented distributed data storage (profile info, media files, user activity)
Implemented search optimization using search cluster (specially designed in memory tables)
Optimized location based search
Video streaming (.flv) with Lighttpd and Adobe flash media server (FMS)
Load balancing
Setup Level3 CDN
MySQL tuning, high request volume optimization

Web performance monitoring with Gomez geographical performance tools
Code profiling and optimization of slow modules
High volume request delivery optimization (disk, memcache, apc - shared memory)
Architecture team coaching and leadership

BlueMorpho *(http://bluemorphotours.com) — jungle tour operator*

Server setup
Joomla custom development
Developed Online booking system
Technical support

BlueMorpho Living *(http://bluemorpholiving.com) — community website*

Online community, in development at the moment
Features include:
- user profiles
- user activity
- video and audio streaming
- web store
iPhone app development (planned)

ISP Expecience

(ISP Alkar Teleport, ISP Creator OnLine, JV Optima Telecom, ISP Neon-V)

Network optimization and configuration of TCP/IP services
System Administration of UNIX Internet servers
Advanced CISCO router configuration and support
Developed network topology and load plan
Responsible for collecting and analyzing traffic
Maintained enterprise Email service
Notification on mobile devices
Configured and maintained DNS and HTTP servers
Configured and supported enterprise HTTP Cache Proxy servers
Developed Monitoring System to test security and operating status of a large UNIX and Cisco RAS tree
Developed policy, procedural and tech support documentation
Managed the Y2k project for all UNIX platforms

Technologies

Linux, OS X Server, FreeBSD, OpenSolaris
Apache, lighttpd
MySQL, sqlite, Oracle
PHP, Python, Perl, bash
SVN, CVS, Nagios
NAS, Level3 CDN, Memcache