

Martin Tsachev

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[Contact Martin](#)

Beaumont Hall, Beaumont Woods, Dublin, Ireland

Profile

Highly motivated Web Developer with 7+ years experience in e-commerce. I am specialized in online payments, fraud prevention, security, performance analysis/optimization, and high availability. I am a team player and possess strong technical, analytical, problem-solving, debugging, and communication skills. I seek a challenging Web Developer or Linux System Administrator position that will allow me to apply my existing experience and enable me to further develop my skills.

Technical Skills

- [PayPal Certified Developer](#)
- [Zend Certified PHP 5 Engineer \(ZCE PHP\)](#)
- [Brainbench certificates](#) - PHP 5, Linux Administration (non distribution specific), Apache 2.0 Administration, E-Commerce Concepts, E-Commerce Implementation
- PHP (4, 5)
- E-commerce, payment gateways and services, PCI DSS
- Perl
- MySQL (3.23 - 5.0) database design, optimization, monitoring, backup
- Apache (1.3, 2.0), Lighttpd, nginx
- FreeBSD, Linux - Gentoo, Debian, Slackware, RedHat, RHEL, Ubuntu
- OOP, modular and flexible design, design patterns
- Online security - avoiding SQL injection, cross site scripting and forgeries, secure storage of sensitive information
- Subversion and CVS - installation, configuring, hooks, backup, branch maintenance, and merging
- Performance and availability monitoring - Nagios, Zabbix, custom Perl crons, rrdtool
- SOAP / XML RPC, bug trackers, unit testing
- HTML, XHTML, JavaScript, AJAX, CSS, SEO
- DNS (djbdns, BIND), MTAs (postfix, qmail), bash shell scripting, networks, firewalls and NAT (Linux, FreeBSD), VPN

Summary: I have 7 years professional LAMP experience (PHP and Perl, 4 years PHP 5) developing e-commerce web sites and 1 extra year personal experience. In addition to that 5 years FreeBSD and in the last 2 years lighttpd and nginx.

Work Experience

February 2010 to Present

Make-a-Store, Inc. - E-commerce Consultant / Senior Web Developer

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Make-a-Store is offering complete e-commerce solutions for sites that sell everything - from ebooks and celebrity photos, through consumer electronics to real estate. A special product is available for wedding photographers to enable them to sell photos online. Make-a-Store is headquartered in Boston, MA and offers its customizable solutions since 1994.

See position below for more information.

September 2002 to January 2010

Make-a-Store, Inc. - Senior Web Developer (reporting to company CIO / co-founder)

24 Alexandrovska St, Office 11, Rousse, Bulgaria

Most significant achievement: Enabled fully automated provisioning of new customer web sites in order to allow the marketing of a free product edition that requires no manual work at all. Used dual MySQL master setup with automated failover and lighttpd load balancing through FastCGI daemons to achieve higher availability and scalability. Automated bandwidth accounting and quota cutoffs or bandwidth surcharge depending on package. [Try a demo](#) - just use the free version. Worked as part of a team, implemented the API calls and backend but not the user interface.

Benefits so far include, project went live 6 months ago:

- Customer diversification, increased customer base by 10%.
- Decreased average time to deliver basic web sites from 1-2 business days to 15-20 minutes.
- Saved over 150 hours of manual work.
- Increased fault tolerance and distributed load.

Responsibilities:

- Creating specifications from customer requirements, gathering additional information, and negotiating features. Delivered web sites on time.
- Rousse office manager - team of 1-2 Web Designers and 3-6 Web Developers.
- Payment and fraud integration.
- Developing front and back ends of e-commerce web sites.
- Administration of 60+ FreeBSD servers.
- Profiling and optimizing both applications and servers, caching.
- Automating system administration and monitoring with perl and bash shell scripts.

Achievements:

- Reduced rate of bad hires by 30% by introducing a test for prospective PHP programmers.
- Decreased server load up to 4 times by switching server technologies.
- Increased maximum request rate by 3 times by utilizing server and client side caching.
- Oversaw the successful migration from RedHat and RHEL to FreeBSD. Saved 120 hours of manual work per year by automating server provisioning.

Personally engaged with custom work for the following sites (partial list):

- [The ShoeMart](#) - Shoes and shoe accessories, features: refine filters, partial caching of generated HTML, integration with Cardinal Commerce for Verified by Visa and MasterCard's SecureCode authentication
- [PR Photos](#) - Celebrity photographs, features: sphinx fulltext search
- [Oompa Toys](#) - Baby toys, features: refine filters
- Initial Incentives - branded poker merchandise with custom sites for Betfair, Stan James, WPT, Gutshot allowing cash or point purchases, securely communicated using web services (site not available any longer)
- [Diesel eBooks](#) - Electronic books, features: Google like Did you mean spelling suggestions
- [Electronics Expo](#) - Electronics retailer

Deeply involved in the design and implementation of the store engine that powers sites, such as: [Cambridge SoundWorks](#) (a subsidiary of Creative Technology), [The Boston Globe Store](#), [Featured Customers](#).

May 2005 to October 2005

NFSN, LLC - System Administrator (Part time, reporting to company President)

NFSN is a pay-as-you-go web hosting provider operating since 2002. Using load balanced and high availability technologies to provide premium performance and reliability, serving over 5000 sites. The company later transformed into NFSN, Inc.

- Administration of a FreeBSD web hosting cluster.
- Decreased support requests by adding new features to customer self-service control panel in PHP.

March 2002 to July 2002

MetaVisia, Ltd. - Web Developer (Reporting to company CEO / co-founder)

MetaVisia is a web development and design company.

- Achieved better web site performance by optimizing a dating site in written in VBScript (ASP).
- Increased internal productivity by code refactoring.

Education

September 2000 to July 2003

Angel Kunchev University, Rousse, Bulgaria

Bachelor in Electrical Engineering

Relevant topics covered: Pascal, assembly for 8086, C, DSP programming

Programming projects: traffic lights, building visitors counter

Represented my university as part of a team of 8 students in nationwide mathematical olympiad (2002).

Online Publications

- [SitePoint](#)
- [DevShed](#)
- [Evolt](#)
- [WebProNews](#)
- [mtdev](#) (personal site)

Achievements

- Developed a Python FTP sync application - 2002.
- [First featured site of the month](#) of the web developer friendly hosting company [freedom 2 operate](#) - Oct 2002.
- Assistant teacher in a free online PHP course offered by [freedom 2 operate](#) - 2004/2005.
- Awarded silver PAMP Suisse Fortuna bullion bar by First Investment Bank Bulgaria for online banking feedback - July 2009.

Languages

- English - Fluent
- Bulgarian - Native

Hobbies and Interests

- Photography, table football, table tennis, and swimming.
- I like new technology and gadgets. I am particularly interested in GPS, geocoding, and location aware technologies.

References

- Available on request.
- [LinkedIn Recommendations \(requires login\)](#)

Personal Details

- Date of Birth: 08 January 1982
- Nationality: Bulgarian
- Gender: Male
- Marital Status: Married

