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Deian Motov – Web Developer – PHP CODER CV

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Availability

Looking for work.

Commercial Experience

Synersec.com: ***July 2011 – November 2011***

Job Title: Web Developer & Linux administration (references available)

It was a great pleasure for me to work for the guys at synersec.com. The project is complete and I have completed my tasks there.

Brief project description:

This site is broadcasting webinars (view on demand), and selling documentation (signed and QR coded PDF documents to avoid piracy) for IT, Law, Intellectual property and etc. The site offers deposits of credits, which can be used to purchase content.

After every webinar, there is a test, once completed, a certificate is generated (again signed / QR coded PDF), and is available for download to the specific user. Once scanned, the QR code from the certificate sends the user to our special certification verification page.

Technical details:

The website synersec.com is based on the Joomla CMS. My job was there to integrate my component "PayPal IPN for DOCman", and extend it so customers are able to download and stream webinars, or download documentation. With PayPal, we offered the users to buy the webinar/document OR deposit credits in the site, and use them for purchasing content. Shopping cart was integrated to allow orders of tangible goods.

Full featured administration panel was built, to help administrators easily manage the webinars, orders, credit packages and view statistics.

I was also in charge of the Linux administration of the webserver, where we used cPanel, and configured the it to fit our needs.

Video streaming integration:

For the video streaming process, we used the services of 3qstreaming.com. They have a XML API we use, to get valid streaming URL for each customer. Automated bandwidth meter allowing lower bitrate streams is available for users with slower internet connection. We have offered our users a player, with fallback from Flash to HTML5, allowing even users without Flash (iPhone, iPod, iPad), stream content successfully.



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PayPal integration:

When an order is started, we redirect the user to complete the payment, once that step is completed, the user is returned to the "Thank You" page code, where there are direct links to the purchased content.

Every PayPal transaction, is verified to avoid spoofed IPN calls (fraud). We did that by posting a "cmd=_notify-validate" command to PayPal and parsing the returned content via regular expressions.

Refunded transactions, chargebacks and other similar cases, were automatically handled, to disallow access to the ordered goods.

Technologies used:

PayPal, Video Streaming, XML, jQuery, PHP, MySQL, Joomla

Synersec.com – Project "Compact System":

Brief project description:

This is a relatively small project used to maintain a customer database, and allow customers to make orders via PayPal. The interesting (out of the box thinking) part there is that for every user we can:

1. Allow / disallow account
2. Allow / disallow orders (per product for each user)
3. Allow / disallow download of documents related to the product (per user basis).
4. The price for each product, can be different for each user.

For the site we made a simple, compact design, looking like the periodic table, as the client is in the area of chemistry (producing rare paper and other materials).

Technical details:

The project was built around a simple login system provided by the client, not integrated with Joomla or any other CMS. What we did there was the frontend and the backend administration panel extending the login script provided to us by the client.

Technologies used:

jQuery, MySQL, PHP, PayPal

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Motov.NET : ***March 2010 – Current***

Job Title: Web Developer

While selling products on my website, I managed to get in touch and work with plenty of clients. I have been asked to do various integrations of payment gateways such as:

Moneybookers, PayPal (subscriptions handling for automated service renewal), PayPal IPN (Instant Payment Notifications), Micropayment.de (all payment types (SMS, Call2Pay etc)), Netcash.co.za (credit card processing) and Authorize.net (credit card processing).

I work on my own projects and I have built a PDF Store website for selling airplane blueprints and magazines. This project I did for Roland Friestad (the engineer who was the head of the team that produced 7 computers for NASA so they did the first moon-landing).

One of my projects that I worked on recently is "PayPal IPN for DOCman" is one of the highest-rated extension in the DOCman Extensions category on JED (Joomla! Extensions Directory). With this component my customers sell files on their joomla websites and they have plenty of options. You can see more here.

My Moneybookers.com payment gateway for VirtueMart was the first of it's kind, allowing users of the VirtueMart shopping cart use Moneybookers payment gateway (now Skrill), to process orders and payments. It turned into a bestseller.

Also, a list of my products can be found here: http://motov.net/downloads/products

I do have Linux server administration (CentOS, Ubuntu) experience (used for hosting, internet access routing and shaping).

Betfair bot project:

This project was using Betfair.com's API (SOAP/WSDL) to Buy and Sell bets, based on specific logic, fine tuned by the client, collecting data via cron and running php as a daemon so it can constantly make calls to betfair and collect data.

Technologies used:

Betfair SOAP/WSDL API, jQuery, PHP, MySQL

HostICan: ***Feb 2008 – March 2010***

Job Title: Web Developer

I started working for HostICan back in 2008. The first project they asked me to do was a CPU time limiter that will reduce the load of their servers. I managed to finish the project on time in two weeks, I was the seventh coder that started the project and the only one who finished it. After they hired me I had 20+ more projects to work on and here are some of them:

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1. Account Verifier – This project was meant to be run via crontab and verify every single account on the server with ModernBill, so we make sure no-one was using the hosting service without paying for it.
2. Addon Domains Mailer – This project was meant to be run via crontab and e-mail people who reached the maximum amount of addon domains for their account (based on hosting package) and e-mail them offering an upgrade plan with a higher addon domain amount.
3. API Cleaner – This project was meant to be run as a cronjob, was cleaning the API queue of ModernBill which was causing various problems.
4. Backup Limiter – This project was meant to be run as a cronjob. It's role was to limit hostican users to specific inodes amount so they are offered an upgrade package once they get close or reach the inode limit.
5. CPU-Limiter – This project was running as a php daemon. It was monitoring a special log file that was coming from a special Apache module, that was telling us the execution time of each script. My daemon was calculating the usage for the last 60 (configurable) seconds and if it was higher than a certain amount of cpu time we were suspending the user for a certain amount of time. This project was a huge progress and this way the company was able to offer a higher quality hosting service as this script was keeping the server load low by suspending abusers. The other role of the script was MySQL query monitor, it was terminating long queries (SELECT queries only so we do not damage/corrupt the database).
6. Crontab Limiter – This project was meant to be run as a cronjob. It was checking the crontabs for each user and if they were more than X (configurable value), the script was commenting them out, this is one of the projects that decreased the server load. After 3 "max crontabs abuses", the script suspends the user.
7. "The Killer" – This project was meant to be run as a daemon. It was monitoring trusted processes memory, runtime and count. Based on it's configuration if some of these values was too high it was terminating the process. The other role of the project was to kill untrusted and unwanted applications.
8. Domain Fixer – This project was meant to be run as a cronjob. It's role was to make MX DNS requests to user domains and make sure they are pointed to our servers. Then it was making changes to /etc/localdomains and /etc/remotedomains.
9. Error 500 – This project was meant to be run as a cronjob. It was a small script built to restart the apache server when needed.
10. cPanel "Extras" – An addition to the default x3 theme with .htaccess healer, php.ini manager, and one click package upgrader (connected with ModernBill).
11. Mass DNS – Mass MX record retriever.
12. MySQL Root Password Fixer – If somehow the root password of a VPS or Dedicated Server is lost, this script was performing various tasks to reset it.
13. Package Fixer - This project was meant to be run as a cronjob. It was fixing problems with hosting packages (differences between the server and ModernBill) and was sending report e-mails.
14. phpMyAdmin Auto Theme - This project was meant to be run as a cronjob. It was changing the default phpMyAdmin theme to ours.
15. Pinger – Small but reliable host monitoring script.
16. Quota Limiter - This project was meant to be run as a cronjob. It was built to make sure people do not exceed their quota and it was leaving report text files and it was sending e-mail messages with warnings. It was suspending accounts that exceeded their quota and asking them to upgrade to a higher more expensive package.

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17. SOAP Server – This SOAP server application was used to do secure Remote Procedure Calls and do various tasks on the server.
18. Validator - This script was validating everything possible for the user against ModernBill and it was syncing contact e-mails / domains and package types. It was also checking for missing accounts, SSH access (enabling / disabling when needed). When needed it was suspending users with a message describing what the problem is.
19. VHost Updater – It was using Regular Expressions to modify the httpd.conf and add specific lines to it so our CPU logging Apache Plugin can do it's job.
20. VPS Autofiller – This project was going thru the VPS-Nodes making sure we do not have missing VPS servers / more servers than needed or repeating VPS IDs.
21. VPS Validator – It was going thru every VPS making sure that it's the correct package and that the client has paid his bill / he is not suspended in the billing system for non-payment or cancellation.
22. HostICan / VPSNext affiliate system – A huge project with tons of features like:
    a. Login brute-force protection and ip blocking.
    b. Detailed commission and campaign reports.
    c. Automated commission voiding if the referred client does not pay his invoice or cancels the first month.
    d. Coupon-code maker for each affiliate integrated with ModernBill, allowing affiliates to make their own discount coupons.
    e. Country Filter – There was a "black list" of high fraud regions, so the affiliate system was not issuing commissions for those countries.
23. HostICan order process fixes – various fixes on their website and the ajax cart, that was originally built by transformagency.
24. VPSNext.com – full website programming.
25. Various small projects (ajax / knowledgebase software skinning / wordpress skinning) for the company after quitting.

Era Elite LLC: ***2002 – 2004***

Job Title: System Administrator

I worked there as a system and network administrator. I maintained POS systems / scales / printers.

Freelancing: ***2004 – DEC 2007***

I was working as a freelance php programmer and did about 13 projects at that time including MySpace clone and a webpage hits analytics website with subscriptions.

General IT Skills

- Standards-Compliant HTML / JavaScript / jQuery / dHTML / Ajax / JSON
- Object Oriented PHP 5
- MySQL
- SEO ability
- Windows workstation administration
- My project "PayPal IPN for DOCman" has 35 reviews with average vote 4.66 of 5.0 possible.
- I have some experience with MSSQL/SQL Server and Linux server administration.



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Personal Statement

I am a highly motivated individual who thrives on interesting challenges and works best under pressure. I enjoy varied work and am deeply interested in all aspects of computer technology.

My interests include machine learning, responsive UI design, and programming involving intuitive user interface and great user experience. I am a car and football fan.