

VOLODIMIR (VLAD) DUDA

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SKILLS SUMMARY

Languages:	C/C++, Java, Python, PHP, Ruby, JavaScript, SQL, CSS/sass/less
Concepts:	Object Oriented Design (OOD), Model View Controller (MVC), Agile Development Distributed Systems, Virtualization, Containerization, REST/SOAP, HTTP/2
Software:	Vagrant, Docker, Hypervisors, MySQL/Oracle/PostgreSQL, Chef/Puppet Nginx/Apache, Varnish, redis, glusterFS, Bamboo/Travis CI, Drupal, Magento
Environment:	Ubuntu (CLI + GUI), CentOS (CLI), MacOSX/BSD, AWS Windows (Win7, XP, Win8; GUI + CLI)

EXPERIENCE

NuoDB <i>Software Engineer</i>	May 2015 - October 2015 Cambridge, MA
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- Managed an enterprise level server architecture within the AWS environment, working with core AWS services, EC2, EBS, S3, Route53, Cloudfront, etc.
- Used the following technologies: Nginx, Varnish, memcached, GlusterFS, Openstack, AWS, Docker, IT automation Chef/Puppet, Zabbix, ELK Stack, Atlassian stack, LEMP/LAMP stack, etc.
- Scripted an environment for Automated deployment of drivers, as well as in late stages of using docker images (w/docker machine) to simulate a multi-host architecture
- Developed features and performed regular maintenance of Tier 1 Drivers. Held responsible for Python PEP249 driver and PHP PDO driver, with direct input into the Drupal integration
- Actively worked with the NuoDB product, a distributed transactional database with an emphasis on ACID compliance; applied 3rd party integrations as well as testing the feasibility and reliability of such integrations
- Participated in an office move, helped with switch programming on Arista Switches; created VLANs, Route Tables, cabling and testing of the network
- Worked alongside the Devops, Webmaster, and Drivers & Integration teams

NuoDB <i>Software Engineering Intern</i>	June 2014 - May 2015 Cambridge, MA
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- Worked on maintaining NuoDB Drivers and APIs, including: PHP PDO, Node.js Driver, ODBC, JDBC, .NET Driver, Python Driver, Ruby Driver, and countless Frameworks dependent on each driver.
- Worked on internal features; created a round-robin implementation of a failover broker feature. Greatly appreciated by clients and users of specific drivers. NuoDB is a scalable distributed database; thus given a situation in which a specific server was down, my feature would automatically maintain a stable connection to the database by using a broker, which was not down/inactive
- Created, Tested and Maintained Bamboo branch plans for Drivers. Created several build and test scripts for continuous testing of the PHP-PDO driver
- Given the unique position for maintaining drivers, I was able to explore each Drivers specific language and implementation, in depth. Allowing me to gain insightful knowledge on the Data Abstraction Layer of each language/API and the design thereof

Bridgewater State University
Tutor

July 2013 - June 2015
Bridgewater, MA

- Developed strong interpersonal and communication skills in dealing directly with students and answering complex inquiries with a pragmatic approach
- Learned to deal constructively with stressful situations of being understaffed

Express Products, Inc.
Operations & Engineering

January 2011 - June 2014
Canton, MA

- Created and developed an online presence. Engineered and architected our server architecture.
- Administered server architecture to make sure key parts of website were integrated correctly. Including securing private folders, logins, and writing php scripts to handle backend tasks.
- Integrated a faster method of data imports into the Magento environment, using Magmi; which focused on direct SQL injections into the database versus the built in method of importing data using php based scripts.
- Led creation on a Business administration app; features included: maintaining a single database of company inventory from multiple online channels, integrating specific Channel APIs with their intended tasks, creating a real time sync between different channels, grabbing customer information from different online channels, automatically posting items to channels void of that specific item.

VOLUNTEER WORK

Federal Reserve Bank of Boston
Volunteer

Boston, MA

- Volunteering at the Federal Reserve Bank of Boston was a great privilege. Work included handling events held at the Federal Reserve. Providing administrative aid in the form of contest prep. The event itself was the Economics Challenge, which the Federal Reserve holds annually. I did get a chance to talk to Federal Reserve employees and their relative day to day experiences. Through this event, I learned how vital Financial Services are to the overall improvement of society.

Financial Literacy And Giving Program
Participant

Bridgewater, MA

- I have achieved a certificate in mastery in Financial Literacy And Giving Program. The program provided a financial insight into entrepreneurial businesses which follow a strict ethics code. The program taught me valuable business lessons. A 10 week project was developed hand and hand with the program. In which I took up the initiative of constructing a website for the program. I worked hand in hand with the program coordinator to construct a valid CMS system to handle the backend actions. The website was overturned to the program coordinator. The site will ultimately be hosted online under a bridgew.edu subdomain.

EDUCATION

Bridgewater State University - *cum laude*

2011 - 2015

B.Sc Computer Science
GPA: 3.59

B.Sc Economics
GPA: 3.76