

VLAD DUDA

319 A St #209, Boston, MA 02210

(781) · 298 · 1185 • [linkedin.com/in/vduda](https://www.linkedin.com/in/vduda) • Vlad.Duda@outlook.com • <https://github.com/VDuda>

SKILLS SUMMARY

Languages:	C/C++, Java, Python, PHP, Ruby, JavaScript (Node), 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/Ansible Nginx/Apache, Varnish, redis, glusterFS, Bamboo/Travis CI, Drupal, Magento
Environment:	AWS, Ubuntu (CLI + GUI), CentOS (CLI), MacOSX/BSD Windows (Win7, XP, Win8; GUI + CLI)

EXPERIENCE

Maxwell Health

DevOps Engineer

October 2015 - Present

Boston, MA

At Maxwell I think holistically about technology, envisioning better processes, building them, operating them, and incorporating the tools and systems that support them. A disciple of pragmatism, I engineer scalable solutions that work in the real world.

- Built out our CI/CD pipeline for Building, Testing, and Deploying our applications (docker based) on a continuous stream
- Architected (HIPAA-Compliant) several systems (DBs, WebServers, GlusterFS as well as the underlying AWS Networking) to support our ongoing commitment to deliver our product to customers.
- Created and architected an event sourcing stream with ETL for us to analyze our data, BigData related, allowed us to gain insight into our data. (Using AWS EMR - Hadoop to perform expensive computational tasks)

NuoDB

Software Engineer

June 2014 - October 2015

Cambridge, MA

- 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.
- Managed an enterprise level server architecture within the AWS environment, working with core AWS services, EC2, EBS, S3, Route53, Cloudfront, 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
- 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
- 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 and deployment of the PHP-PDO driver
- 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; juggling many hats.

Bridgewater State University
Tutor

July 2013 - June 2015
Bridgewater, MA; Greater Boston Area

- 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; Greater Boston Area

- 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.

—Inquire for additional volunteer experience - I LOVE to volunteer —
Participant

Anywhere, USA

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EDUCATION

Harvard University Extension School - 2014 - Present
Pursuing classes of interest in Technology

Bridgewater State University - *cum laude*

2011 - 2015

B.Sc Computer Science
GPA: 3.59

B.Sc Economics
GPA: 3.76