

# VLAD DUDA

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## SKILLS SUMMARY

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<b>Concepts:</b>	Agile Development, Distributed Systems, Virtualization, Containerization Machine Learning, Artificial Intelligence, Blockchain
<b>Languages:</b>	Python, Golang, C/C++, Java, PHP, Ruby, JavaScript (Node), SQL, CSS/sass/less
<b>Software:</b>	Microsoft Office Suite, Vagrant, Docker, Hypervisors, MySQL/Oracle/PostgreSQL, Chef/Ansible Nginx/Apache, Varnish, redis, glusterFS, Bamboo/Travis CI, Drupal, Magento

## EXPERIENCE

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<b>Rakuten Institute of Technology (RIT)</b> <i>Machine Learning and Deployment Engineer</i>	October 2017 - Present <i>Boston, MA</i>
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- Experimental role tasked with solving business problems for different business units, specifically requiring us to create a vested and mutual relationship with the business unit.
- Created a Machine Learning pipeline projected to increase revenue by 10% for a BU that had revenue in the scale of several billion dollars annually within 3 months of joining.
- Held weekly presentations on using cutting edge technology to develop practical solutions that lead to significant BU impact.

<b>Maxwell Health ACQUIRED by Sun Life Financial, Inc</b> <i>DevOps Engineer</i>	October 2015 - October 2017 <i>Boston, MA</i>
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- At Maxwell I was tasked to think holistically about technology, envisioning better processes, building them, operating them, and incorporating the tools and systems that support them.
- Pursued a kubernetes solution to break apart our monolithic design, saving roughly 288k of AWS costs and increasing deployment cycles by a factor of 8.
- 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.
- 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)

<b>NuoDB</b> <i>Software Engineer</i>	June 2014 - October 2015 <i>Cambridge, MA</i>
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- Worked alongside the Devops, Sales Engineering, and Drivers & Integration teams; juggling many hats.
- Managed an enterprise level server architecture within the AWS environment, working with core AWS services, EC2, EBS, S3, Route53, Cloudfront, etc.
- 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

**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*

- Led creation of our Business administration platform; 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.
- Created and deployed an online presence. Engineered and architected our server architecture. And secured 250k worth of SBA financing. While working closely with vendors and marketers to secure inventory, leading to long lasting relationships.
- Managed 5 contractors; responsible for daily check ins, ensured timeline was followed through, and verifying state of deliverable.
- 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.

## **VOLUNTEER WORK**

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**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**

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

**Bridgewater State University - cum laude**  
B.Sc Computer Science  
GPA: 3.59  
B.Sc Economics  
GPA: 3.76

*2011 - 2015*