

# Gabriel Esposito

Newark, NJ

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## Career Accomplishments

- Primary Engineer on a team that designed / implemented IaaS
- Went directly on-site to a Fortune 500 customer to deploy and train engineers with back-end infrastructure
- Aided in the on-boarding process by bringing new hires up to speed with AWS environments / orchestration tools

## Personal Achievements

- RamHacks September 2017, 1<sup>st</sup> Place in C<sup>2</sup> Challenge, [“decrypt the currency”](#)
- ACM Tutor 2014-2015, Tutored students pursuing degrees in Computer Science Department
- HackNJIT November 2014, 1<sup>st</sup> Place overall, [“Factory Fresh Food App”](#)

## Languages / Platforms

**Comfort with:** Perl, PHP, Python, SQL, Shell Scripting

**Production Experience:** Perl, PHP, Python, NodeJS, SQL, C, Bash

**Working Knowledge of:** HTML, Java, JavaScript

**Learning:** NodeJS, goLang, jQuery

## Infrastructure

<b>OS (distros)</b>	Debian/Ubuntu	Tinycore (kernel)	CentOS	Alpine (Docker)
<b>Utilities</b>	Docker (cli/compose)	Ansible	Git pipelines	Apache / NGINX
<b>Databases</b>	RabbitMQ	MariaDB / MySQL	Oracle RDBMS	Redis / MongoDB

## Experience

[Wickr Inc](#), **Devops Engineer** ( Platform Team ), NYC July 2016 – July 2017

**OVIS TECHNOLOGIES**, **Senior Perl Programmer** ( contractor via [RUSSELTOBIN](#) ), NYC May - June 2016

[ADDTEQ](#), **Software Developer** ( Perl Back-End Developer ), NJ January – October 2015

[Group DCA](#), **Software Developer** ( Internship ), NJ Summer 2014

## Experience (cont'd)

**Wickr Inc, NYC, Devops Engineer**

April – July 2017

- Trained new staff to use docker-compose
- Continued to respond to customer issues;
  - Worked with Senior Product Management to Debug and resolve issues in an air-gapped environment
  - Responded to systems outages; provided concise instruction to minimize downtime and restore systems
- Provided patches to meet STIG compliance
- Created pipelines based on git tags to build/test images and push to remote registries
- Worked with Ansible for container-orchestration

**Wickr Inc, Newark NJ, Devops Engineer**

July 2016 - April 2017

- Operated under a strict NDA agreement, reported directly to VP of engineering
- Evaluated AWS CloudWatch and ELK stack for SaaS implementation
- Created docker images/containers and accompanying AWS infrastructure for;
  - (2) Apache/PHP (stack based on CentOS)
  - MariaDB (customized) database leveraging docker volumes for automated backups (IaaS)
  - Redis and RabbitMQ
  - NGINX proxy
- Tested/evaluated/patched open source S3-emulators (fake-s3/minio.io) for use in an IaaS product
- Secondary lead on a team that built automated deployment scripts for an on-premise product
  - Used Bash / Ruby / Python and docker-compose
- Went directly on-site to a Fortune 500 customer to deploy back-end infrastructure (docker containers)
- Debugged customer issues; took note of inefficiencies and “pain-points” in deployment
  - Delivered multiple patches and updates
  - Worked directly with customer's to provide SELinux compatibility with docker containers
- Designed and implemented an on-premise solution for pushing logs to Splunk / RFC 5426 compliant server
  - Utilized an open-source daemon written in golang
  - Wrote custom Bash using GNU coreutils to toggle between FIFO pipes and files
- Principle maintainer of Dockerfiles
  - Wrote an automation script in python to build source code/docker images and push images to docker registry
  - Provided cli for building / pushing images based on git tags
- Participated in pen testing of SaaS infrastructure
- Introduced to NodeJS; debugged source code and scaled infrastructure

**OVIS TECHNOLOGIES, NYC NY, Senior Perl Programmer (contractor RUSSELLTOBIN )**

May - June 2016

- Worked directly with senior developers to author Perl modules based on a rigorously defined schema
- Contributed to a custom / proprietary MVC architecture for web templates and administration panels
- Proposed and implemented performance improvements to schema

**ADDTEQ, Princeton NJ, Software Developer**

January - October 2015

- Wrote back-end services in Perl working closely with MySQL
- Debugged a large code base, traced issues in proprietary and open source libraries
- Contributed to an internal app that prepared database schema for source control
- Created a new structure for a monolithic web app; caching pages in advance of the user (file-based cache)
- Maintained an Ubuntu development instance and was exposed to jQuery

**Group DCA, Parsippany NJ, Software Developer ( Internship )**

Summer 2014

- Worked on production Oracle database, built PHP scripts to handle vendor-specific data
- Created test cases for scripts, developed contingency operations
- Wrote custom iMacro browser automation to migrate CMS based sites
- Built a PHP portlet for importing customer / vendor data remapping to fields on production Oracle databases
- Integrated portlet into collaborative platform (LIFERAY)

**Modern Nephrology, Livingston NJ, IT and Network Assistant**

2011-2013

- Responsible for support, maintenance and troubleshooting for all systems' technical issues
- Worked directly with provider to implement the roll-out of a cloud system
- Established CISCO network equipment by integrating routers
- Used PowerShell to automate tasks

## Education

**New Jersey Institute of Technology, Newark NJ, B.S Computer Science – Incomplete**

2011-2015

From 2011 to 2015 pursued B.S in Computer Science Part Time, Current Standing Senior

**Affiliations & Additional information**

Member, <a href="#">ACM</a>	Memeber, <a href="#">IEEE</a>	Eagle Scout, <a href="#">BSA</a>
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References Available Upon Request