Gabriel Esposito

Newark, NJ

gabriel.h.esposito@gmail.com | github.com/gabrielhesposito | http://gespo.me

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, 1st Place in C^2 Challenge, "decrypt the currency" | Blockchain App
- ACM Tutor 2014-2015, Tutored students pursuing degrees in Computer Science Department
- HackNJIT November 2014, 1st Place overall, "Factory Fresh Food App" | ChatBot App

Languages / Platforms

Comfort + Experience 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

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

Relevant Experience

Wickr Inc, Devops Engineer (Platform Team), NYC July 2016 – July 2017

Enterprise Engineer focusing heavily on Docker

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

LAMP (Perl) development

ADDTEQ, Software Developer (Perl Back-End Developer), NJ January – October 2015

LAMP (Perl) development

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
  - Apache/PHP MariaDB/Redis/RabbitMQ
- 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

Member, ACM	Memeber, IEEE	Eagle Scout, BSA