

Gabriel Esposito

Austin, Texas

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Career Accomplishments

- Primary Engineer on a team that designed / implemented IaaS
- Responsible for development and maintenance of HA databases hosted in EC2 (MongoDB and EventStore)
- Led design for API gateway implementation and underlining automation

Personal Achievements

- RamHacks September 2017, 1st Place in C² 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

Comfort + Experience with: Perl, PHP, Python, SQL, Shell Scripting, NodeJS, C

Working Knowledge of: HTML, Java, JavaScript, goLang, jQuery

Infrastructure / Platforms

OS (distros)	Debian/Ubuntu	Tinycore (kernel)	CentOS	Alpine (Docker)
Utilities	Docker	Ansible	CircleCI	Apache / NGINX
	AWS CloudFormation	Terraform	AWS CodePipelines	ECS
Databases	RabbitMQ	MariaDB / MySQL	Oracle RDBMS	Redis / MongoDB

Experience

Miltronics, AWS Cloud Contractor

June 2020 - Current

- AWS deployments using primary Cloud Formation CodePipeline
- Responsible for on boarding new clients and creating Infrastructure for IoT devices

Bountysource, Open Source Contributor

December 2020 - Current

- Added features to twister-core/twister-lib-js (p2p blockchain based app)
 - Fixed build issues with docker
 - Created functions to handled account creation on client and server wallet

HonestBuildings → Procore, SRE

April 2019 – June 2020

- Part of a dedicated team managing AWS infra and deployments for a B2B web app
- Research, designed and setup API gateway to provide rate limiting capabilities
- Found gaps in CI/CD and implemented improvements
 - Levered existing flyway database migrations to handle manual seeds
- Worked with a focus on security - attended security team stand ups to coordinate efforts
- Audited AppSec contractors, verified OWASP reports

Troy, NYC, Devops Engineer

October 2017 – April 2019

- Primarily a technical role with a heavy focus on AWS/Python and Ansible.
- Responsible for developing/maintaining automation for EventStore (database)
 - Used AWS Cloudformation and Ansible
 - SumoLogic for monitoring
- Built and Improved Docker infrastructure by utilizing ECR repositories
- Created an automated ephemeral database system for QA teams to test against
- Participated in 24x7 On-Call availability team in support of a global production environment.
- Collaborated with teams across AU/UK/US/CAN

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

- Reported directly to VP of engineering while being embedded with a platform team
- 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
- 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

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)

Group DCA, Parsippany NJ, Software Developer (Internship)

Summer 2014

- Worked on production Oracle database, built PHP scripts to handle vendor-specific data
- 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

Modern Nephrology, Livingston NJ, IT and Network Assistant

2011-2013

- Implemented the roll-out of a cloud system / Established CISCO network equipment

Member, ACM	Member, IEEE	Eagle Scout, BS
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