Anielkis Herrera

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SKILLS & PROFICIENCY

- I have been developing software professionally for more than 12 years. But started 13 years prior as a hobby.

- Natural problem solver, analytical, quick learner and results-oriented. I like processes automation and re-engineering.

- Expertice as COO of a small company, a project manager, software architect and as a lead developer, always as part of agile teams applying agile methodologies. I too have experience in system and network administrator, information security specialist.

- Expertise in scalable applications, backend development, distributed systems, REST API design and development, cloud computing, containers, DevOps, CI/CD.

- Proficiency in backend.

- Expert Linux user and developer, with deep knowledge of Linux internals.

I know the extent of my skills and how to improve them. I'm better working in backend than user interfaces.
At the moment I am deepening my knowledge about machine learning, data analysis and cloud computing with Kubernetes and Openshift.

EDUCATION

Universidad de las Ciencias Informáticas   Cuba
Eng Informatic Sciences   Sep 2002 - Apr 2006

EXPERIENCE

Nubity   Ciudad de México, México
Software Engineer   2017 | Present

- Process automation using kubernetes and CircleCI.

- Use CircleCI to recreate software repository of Nubity Agent and modules

- Recreate production deployment in Minikube and Kubernetes in amazon

- Use DeployBot to recreate Wordpress websites from backup

Datafactory   Buenos Aires, Argentina
Software Engineer   Mar 2013 | Present

- Process automation

- User authorization service

- Improve infrastructure and processes

Universidad de las Ciencias Informáticas   Cuba
Profesor and Software Engineer   Apr 2006 | Feb 2012

- Professor of Operating Systems and Computer Security

- Software Architect in Nova (Cuban GNU/Linux distribution)

SKILLS

Programming Languages:	Go, Python, Bash, Latex
Technologies:	Docker, Kubernetes, CircleCI, Puppet

PROJECTS

Nubity's software repository, Nubity *Bash, CircleCI, Docker, Apt, Yum, Zypper*
https://www.nubity.com
Create a build system that uses CircleCI to create automatically the software repository for Nubity Agent and its addons.

Recreate production deployment in Minikube and Kubernetes, Nubity *Minikube, Kubernetes, Docker, Bash*   https://www.nubity.com

Create a test environment using Minikube (and Kubernetes) to run software integration tests locally.

Recreate Wordpress websites from backup, Nubity *Bash, Docker*   https://www.nubity.com
Process automation using DeployBot to recreate Wordpress websites from backup and configuration files in bitbucket

Live Soccer Statistics app for LG Smart TV, Datafactory *Html, Javascript, Go*
http://apilg.datafactory.la
The TV App shows live soccer statistics consulting Datafactory's data. Design and development of the endpoint. Update UI to last LG Smart TV version.

Client Deployment Tool, Datafactory *Python, Php, Javascript*   http://cdt.dev.datafactory.la
A web app in PHP with a backend service in Python (with flask and flask_jsonrpc). The deploy process includes modify data in PostgreSQL databases, edit XSLT and Json files to adjust parameters and use the result to update svn respositories.

User authorization service, Datafactory *Go, Etcd*   http://ssa.datafactory.la
Go service (replacing an old PHP version) that uses headers from the client's browser and an api key to authorize or deny access to Datafactory's data.

TVEnergía, Menpet, Venezuela *Python, Bash*
Internal TV channel of the Ministry of Energy and Petroleum of Venezuela

Nova *Python, Bash*   http://www.nova.cu
A GNU/Linux distribution for the migration of the Cuban state and the ministries.