PANAGIOTIS PAPADOMITSOS
CURRICULUM VITÆ

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ELEVATOR PITCH

Senior Systems and Software engineer specializing in conception, design and implementation of distributed applications and their supporting infrastructure running on **GNU/Linux**, FreeBSD and Microsoft Windows operating systems with equal experience in leading and managing both development and operations-oriented teams.

PROFESSIONAL EXPERIENCE

Brex :: *San Francisco, California :: brex.com*   2019 – now
Software Engineer

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Rumbleship Financial Inc. :: *San Francisco, California :: rumbleship.com*   2017 – 2019
Head Of Infrastructure

- ➲ Responsible for the design and implementation of the company's cloud-based B2B payments microservice architecture including security planning, service HA, zero-downtime CI/CD and business continuity policies.
- ➲ Champion of internal developer productivity, implemented numerous automation and workflow improvements through custom tooling and processes.
- ➲ Development Lead and owner for a battery of microservices supporting the company's payments services stack, including but not limited to task management and execution engines, secure payment transmission and infrastructure-wide auditing.
- ➲ *Tags: Google Cloud, Google Apps, CloudSQL, CircleCI, Docker, NGINX/Lua, node.js, Typescript, Python*

Phlock Inc. :: *San Francisco, California :: phlock.io*   2015 – 2017
Co-Founder

- ➲ Responsible for the conception, development and implementation of the infrastructure supporting the Phlock mobile apps and web platform, the project's website and parts of the web application.
- ➲ Designed and developed the project's backend service in Erlang and C, focusing on superior image processing operations and user experience.
- ➲ *Tags: AWS, Chef, Splunk, PostgreSQL, NGINX/Lua, Erlang, GraphicsMagick, C, AngularJS, Gulp*

Splunk Inc. :: *San Francisco, California :: splunk.com*   2013 – 2017
Head of Mobile Intelligence Cloud

- ➲ Responsible for the conception, development and implementation of the cloud infrastructure supporting the Mobile Intelligence product.
- ➲ Development Lead on a family of Erlang-based projects that receive and process more than 150.000 reqs/sec from mobile devices all over the world.
- ➲ Evaluated and designed the software and the infrastructure for the company-wide private container cloud solution based on Kubernetes, Swarm, Docker, Python and Go.

- Team lead for the Infrastructure Automation, CI/CD, Operations and Erlang Development teams, collectively managing 4 direct reports, supporting the Cloud aspect of 3 different high-profile, high-revenue (100M+) products.
- *Tags*: *AWS, Google AppEngine, Chef, Ansible, Graphite, Grafana, Splunk, Jenkins, Bamboo, Kubernetes, Docker, Erlang, Elixir, Go, Git/BitBucket Server*

BugSense Inc. :: *San Francisco, California ::* bugsense.com   2012 – 2013
Head of Infrastructure

- Responsible for the design and implementation of the company's cloud infrastructure and various supporting services.
- Development Lead of the Erlang/C/Lisp in-memory streaming database that supports the company's "Insight Boxes" analytics offering.
- Member of the team that led to the successful acquisition of BugSense Inc. by Splunk Inc. on September 2013.
- *Tags*: *AWS, Google AppEngine, Windows Azure, Chef, Percona MySQL, JIRA, Memcached, Redis, uWSGI, NGINX, Lua, PHP-FPM, Sinatra, Celery, RabbitMQ, Sensu, Ganglia, Mercurial, Git, Python, Ruby, Erlang, C, PHP, ElasticSearch, Logstash, Graphite, Riemann, LXC/Docker, Jenkins*

dnHost Web Hosting Agency :: *Athens, Greece ::* www.dnhost.gr   2009 – 2012
Head of Engineering

- Responsible for the design and implementation of the company's cloud infrastructure and services including but not limited to datacenter IP routing, RIPE IP allocation planning, backups and business continuity planning and implementation and server lifecycle management.
- Lead Software/Infrastructure Engineer for the agency's custom internal and external services including but not limited to domain registration EPP interfaces, hosting panel automation and provisioning and internal customer lifecycle tooling.
- *Tags*: *Rackspace Cloud, VMWare vSphere, Parallels Virtuozzo, KVM, IPv6, Percona MySQL, Memcached, Redis, Apache, OpenVPN, Asterisk, Bind, Litespeed, Tomcat, NGINX, PHP-FPM, Postfix, Zabbix, Ganglia, SpamAssassin, PHP, HTML5, CSS3, Smarty, CodeIgniter, Yii Framework, XML-RPC/SOAP, jQuery, Subversion, Cisco Catalyst, Windows Server, IIS 7.5, ASP.NET, SmarterMail, R1Soft CDP*

[Positions held 10 or more years ago are not included for brevity and relevance and are available upon request.]

TALKS

Erlang Factory SF Bay 2016, San Francisco   March 10th, 2016
Subject: *Improving RPC calls in Erlang and Elixir*

ErLounge Erlang Meetup, San Francisco   April 14th, 2014
Subject: *Introducing the Cloud Data Collector for IoT*

SEMINARS

Erlang Factory SF   San Francisco, California
2014-2016

EuRuKo 2013   Badminton Theater, Athens
May 2013

Install, configure and manage VMWare vSphere 4.1   Performance V.A.D.
December 2010

[Seminars attended 10 or more years ago are not included for brevity and relevance and are available upon request]

PATENTS

Patent #10055312	July 31, 2017	Data forwarder prioritizing live data
Patent #9838467	April 29, 2015	Dynamically instantiating dual-queue systems
Patent #9838346	April 29, 2015	Alerting on dual-queue systems
Patent #9836358	April 29, 2015	Ephemeral remote data store for dual-queue systems
Patent #9660930	April 14, 2015	Dynamic data server nodes
Patent #9753818	October 31, 2014	Data forwarding using multiple data pipelines

EDUCATION

Technological Educational Institute of Piraeus   2002 − 2012
Department of Electronic Computer Systems and Information Technology

BSc in Electronic Computer Systems Engineering, GPA 7.45/10.0

Thesis subject: *Statistical calculation of xDSL/ATM line parameters using online GIS systems*

Admission scholarship, after achieving 6th place in admission order through the Panhellenic Exam system

OTHER PROFESSIONAL ACTIVITIES & ORGANIZATIONS

- Member of the Association for Computing Machinery (Member ID #3119063)
- Member of the Institute of Electrical and Electronics Engineers (Member ID #93556486)
- Scientific associate for Packt Publishing, recently reviewed "Mastering Chef" by Mayank Joshi.
- Certified EMT by the Hellenic state.
- Member of the Athens Wireless Metropolitan Network (A.W.M.N.) with Node ID #4813.
- Regular speaker at the San Francisco Erlang meetup.

LANGUAGE CERTIFICATIONS

English   Mother-tongue fluency in both written and oral level.
Certifications   *Certificate of Proficiency in English, University of Cambridge*

French   Fluent in both written and oral level.
Certifications   *Institut Français d'Athènes DELF 2*

Greek   Mother-tongue fluency in both written and oral level.

PERSONAL INTERESTS

Astronomy, literature, physics, fingerstyle guitar, ice hockey, snowboarding.