Thanos_Vassilakis:

personal details:
name: Thanos Vassilakis
mobile: +1-917-517-5912
nationality: USA & Greek
spoken languages: English & French
interests: Art, Reading, Music, Film, Gardening, Skiing, and programming

currently:
title: Director of R&D for Technology at RBC CM
Joined RBC CM just over two years ago and was asked to set up an R&D team for technology.
current projects:
- Building a bank wide data fabric
- Creating a distributed p2p big data cache where the network is the bottleneck
- Using custom chips to process partial diff equations and nonlinear problems
- An AI , NLP framework to gathering technological and development intelligence.

my pitch: I'm looking for work where my experience and creative development skills will be used. I'm not seeking a title but a position where I can remain hands on and yet be given enough responsibility and trust to really contribute to the company. In my career I've had the privilege to built really great development teams, and with them create powerful and successful frameworks and applications. I'm hoping these experiences and my strong technical and creative abilities will be exploited. Although I've often led teams I'm also very willing to take a back seat; listen, learn, reflect and then contribute.

some projects:
Echo: A stream based realtime social analytical engine.
TradeSource: A trade abstraction framework written in Erlang and Python.
MarketSource: A market data framework written in Erlang and Python.
HyperState: A gaming framework for the iPhone
AudioBook: An audio visual book frame work for the iPhone as well as being on the team that were the first to bring chess (Caissa) to the iPhone.
Syntazo & Taxy: An Erlang/OTP competitor to Twitter\'s Storm that can be used as a high performance distributed EC2 based stream processing with realtime dynamic topology configuration based on RIAK's core.
Phonescript: I ported postscript to J2mE, Brew and Symbian. What it brought over other frameworks? A small, under 35k, interpreter which included floats and 2-D transparency. It's very fast. One program can run on J2ME, Symbian, and Brew phones. Can load and run code on the fly. Try that in J2ME!
MobileNewton: My white elephant port of Newton script for phones, cool but uses too much memory forMIDP 1.0 phones. Phonescript replaced this effort.

Ilab: An object oriented workflow system that conforms to all 39 Eindhoven patterns. It's used by the European Parliament\'s EPEDES, SECTORS system control, NYSE and SIAC\'s compliance systems.
async-j: I basically took the crippled Java nio and wrapped it to make it behave like Python's async chat. This give you a really fast server framework JETTY style, but much lighter and easier to use.
VisualTrading: A lightweight java UI framework for trading front-ends.
Python Server Objects: "A kind of Ruby on Rails or Django but developed in 1996 for Python
Hope: British Telecom's white elephant, but they paid me well and it was still a great functional language.
NewtonSmalltalk: "Yes I ported Smalltalk to the Newton.

programming in years:

- c: 31
- C++: 29
- python: 21
- java: 19
- javascript: 19
- erlang: 18
- go: just started

employees: AAH Medical, Apple, Atari, Barclays, Books On Demand", British Telecom, Ceasars Casino, Credit Suisse, Electric Coin Company, Ericsson, European Community/Cordis, European Pariliament, Ferrantti, Honeywell Bull, HP, ICAP, Infinigon Group, JP Morgan, Multitone, NYSE, Panasonic, RBC, SIAC, Unilever, West LB, Zingy

domains:

robotics - Unilever
military - Ferrantti
comms/telecom - British telecom, Ericsson, HP, Honeywell Bull, Multitone, Reuters, Drake
games - Atari, Zingy
gaming - Ceasars Casino, Electric Coin Company, Zingy
medical - AAH Medical
blockchain, encryption & electronic money - British telecom, Ceasars Casino, Ferrantti, Marita Bank, RBC CM
trading - Barclays, ICAP, JP Morgan, NYSE, RBC, SIAC
risk - West LB, JP Morgan, Credit Suisse, RBC CM
big data - Infinigon Group, RBC CM
social media analytics - Infinigon Group, RBC CM
machine learning - Ceasars Casino, Infinigon Group, RBC CM
NLP - Ceasars Casino, Infinigon Group, RBC CM
cloud - Infinigon Group, RBC CM
HPC - JP Morgan, NYSE, SIAC, HP, RBC CM
mobile - ICAP, Ericsson, Zingy, Apple
workflow - European Parliament, European Community

technologies: django, RabbitMQ, NAT, iris, pastry, scribe, Riac Core, Messos, Docker, Kafka, disco, Redis, Memcache, Postgres, Elasticsearch, Hadoop, node, web sockets and a lot more

stack of past work:
RBC CM, Infinigon Group, RBC CM, JP Morgan, Credit Suisse, JP Morgan, Zingy, ICAP, SIAC/NYSE, Ericsson/HP, West LB, European Community, Ceasars Casino, European Parliamen, AAH Medical, Apple, Symantec (Zortech), Reuters International, Honeywell Bull, Drake, British Telecom, Ferrantti, Barclays, Multitone, Atari, Unilever, Atari, Electric Coin Company

other:
Vise President of The National Center for Art and Technology of Greece
Internet consultant to the cabinet of the president of the European Parliament, 1994-1996
Founder of the Linux & Python user groups in Luxembourg.
Founder of the Python user groups in Düsseldorf
Python Starship member

talks publications and articles:
Blockchains, Bloomberg Quant BBQ Talk September 2016
Art Market, Bloomberg Quant BBQ Talk April 2016
Social Analytics, Bloomberg Quant BBQ Talk 2015
Introducing Phonescript, MobiCom 2006
Flash Lite Application Development: Trails and Issues, Adobe MAX 2006
Financial Algorithms Cookbook, ISBN 978-1-4116-2259-3
Trading in Python, Fast Track PyCon 2002
Using LinPAK EISPAK from Erlang , Algorithms Journal, Vol 41, 1997
Beagle and Evolutionary Trading, Algorithms Journal, Vol 9, 1989
An EISPAK Introduction, Algorithms Journal, Vol. 8, 1988
A LinPAK Introduction, Algorithms Journal, Vol 7, 1988
How sharp is OCCAM, Algorithms Journal, Vol. 6, 1988
Fixed versus Float, Algorithms Journal, Vol 4, 1987
Cordic Functions, Algorithms Journal, Vol. 3, 1987
Finding primes Through Probability, Algorithms Journal, Vol 2, 1987
Large Arithmetic, Algorithms Journal, Vol. 1, 1987
Financial Numeric Algorithms Edition One, Algorithms Press 1987
Probably Prime, SIG Press, 1987