Nuno Valente

Personal Data

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Summary

I'm a Software Engineer always interested in the success of every project that i'm involved. Educated on the Java ecosystem, while in college, gained experience with day to day work but fallen in love with the (J)Ruby world after being introduced to Rails. Being a Blue Ocean enthusiast i want to make part of awesome ideas that can cast a brand new look over the existing markets. My expectations are to find companies motivated to break away from the current status-quo, where i can make a difference on their growth and expansion and where my ideas have a place to be. Right now, my main focus lies on software stack's that encompass CEP technologies, but I'm always eager to learn, create and excel. I'm interested in Machine Learning, Stock Markets, BioTechnologies, IoT, and all fields or markets that spark my inspiration.

Work Experience

2008 - present   *Software and CEP Engineer* at **PT Comunicações**, Lisboa

- Developed and engineered several components for the fifth generation of a monitoring platform for IT infrastructures and Business Processes. The main components where i was involved where a DSL Parser to describe IT Infrastructures and several set's of rules for a ESP/CEP engine. I have also continued to develop components for the previous version of the aforementioned monitoring platform.

- Developed and engineered several components for the fourth generation of a monitoring platform for IT infrastructures and Business Processes. The bulk of my work was to write, re-factor and maintain a set of Windows monitoring agents, develop an ETL infrastructure to handle agent events and to develop set's of rules for a ESP/CEP engine, to correlate agent and businesses events from several sources. I also lead several smaller internal projects.

- Planed and executed load and stress tests on critical product public websites.

2007 - 2008   Intern developer at **PT Comunicações**, Lisboa

- Developed core components and monitoring agents for the fourth generation of an "in house" monitoring solution, using my knowledge acquired while working on my final project.

- Finished my college final project entitled "Middleware Security, Performance Monitoring and Analysis" with final score of 18 on a scale between 0 and 20. The main goals of my final project where the following:
  Identify QoS, QoP and QoM indexes for the most critical Middleware platforms in PT Comunicações. In that time where Microsoft Biztalk and Tibco Rendezvous;
  Develop middleware monitoring agents to extract relevant information that can be correlated to produce QoS, QoP and QoM indexes;
  Develop a set of rules in SEC (Simple Event Correlator) to produce the desired indexes;

Education

2001 - 2007   **Faculdade de Ciências e Técnologias da Universidade Nova de Lisboa**
Major of Science (5 year major pré-Bolonha) in Software Engineering. GPA of 15 on a scale between 0 and 20.

Languages and Frameworks

Ruby / JRuby	Developed several components for an event processing stack, such as event pre-processors, input/output adapters and Esper (CEP) engine loaders. Wrote private gems with API's for company internal services.
Java	Wrote a Tibco monitoring agent to extract KPI's from Tibco Hawk. Also wrote Camel routes, processors, translators. Ad-hoc Event pre processors, CEP engine loaders, etc.
.Net C Sharp	Developed an agent as a Windows service that was responsible to load micro-agents to extract QoS measurements, ad-hoc logs and Eventlog samples. Also made an API available to third parties develop their own micro-agents.
Objective C / iOS	Developed a yet unreleased App for a restaurant discount card business.

Platforms and Technologies

CEP (Esper)	Engineered and wrote an Esper engine loader, adapters, peripheral components, and a distributed engine loader using ActiveMQ Designed and implemented several rule set's to correlate events from mission-critical business processes that require near real time attention such as sales, home equipment malfunction report incidents, IVR calls, etc.
OS's	Daily use of Linux and OSX for both personal and enterprise use (distributions: Red Hat, Debian)
Databases	MySQL, Oracle (in college)
Web	Ruby on Rails for prototyping some management web interfaces. Node.js and Coffescript for fun
Revision Control	Git
Middleware MQ	ActiveMQ and Camel Learned Tibco Rendezvous and Hawk while working in my final college project and internship.
Load Testing	QTest and OpenSTA
Mobile	Learned iOS to design and implement a small business App.

Training

2011	SCRUM Master
2008	QTest Load Testing

Interests and Activities

Physical exercise is one off my favorite hobbies and i always try to save some time on my day to do some running, lift weighting, indoor fitness classes, martial arts or play a football game. Besides my main interests in ESP, CEP, Machine Learning, BigData, etc , i also try to keep up with the current hot topics such as Social Web, Online Piracy legislation, Patent Wars, BioTech, Stock Market trends and so many more. On my commute time i love to read or listen to audiobooks and my tastes tend to fall on the Science Fiction or Technology/Engineering domains.