Nuno Valente

Personal Data

Address:	Rua Leitão de Barros nº 2 R/C Dto - 2725-676 Algueirão
Phone:	+351 96 6172918
email:	nuno.valente@gmail.com

Summary

I'm a Software Engineer always interested in the success of every project that i'm involved. I love a good challenge and making part of awesome ideas that can make a difference on their market. My expectations are to find that ideas or to be able to execute some of mine with tight and motivated teams. Right now, my main focus lies on software stack's that encompass CEP technologies, but i'm very much interested in Machine Learning, Stock Markets, BioTechnologies and all fields or markets that spark my inspiration.

Work Experience

2009 - 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.

2008 - 2009   *Software and CEP Engineer* at **PT Comunicações**, Lisboa

- 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 re-factor and maintain Windows monitoring agents, develop an ETL infrastructure to handle agent events on the server side, develop set's of rules for a ESP/CEP engine, to correlate agent and businesses events from several sources.

- Planed and executed load and stress tests on some company 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 used Middleware platforms in PT Comunicações. In that time where Microsoft Biztalk and Tibco Rendezvous;
    Develop midleware 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 with the average score of 15 ECTS weighted) 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 measures 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 /Eventlog samples. Also made an API available to third parties develop their own micro-agents.

Platforms and Technologies

CEP (Esper) | Engineered and wrote an Esper engine loader, adapters, peripheral components, and a distributed engine loader using ActiveMQ
Constructed several rule set's to correlate events from the most important 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.

Revision Control | Daily use of Git

Middleware MQ | ActiveMQ and Camel lately
Learned Tibco Rendezvous and Hawk while working in my final college project and intership.

Load Testing | QTest and OpenSTA

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, etc, i also try to keep up with the current hot topics such as Social Web, Online Piracy legislation, Patent Wars, BioTech 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.