

Subject: Presentation

To whom it may concern

I am a technology transference and research engineer of the InriaTech team at INRIA, Lille, since april 2015. I am responsible for the maturation and transfer of the technological outline of the work or research, as well as implementing research prototypes. Actually, I am related with many different frames projects of many different research teams as RMOD, Non-A, FUN and Spirals. With these teams, I work in different subjects namely: robotics, smart contracts on blockchain databases, real time, IOT networking, programming languages conception and implementation, software profiling in terms of energy consumption. In order to lead this projects to a good destination, i make usage of different software engineering techniques and it associated technologies. To arrive to deliver good quality products I use version control systems (VCS), Continuous integration (CI), Continuous delivery (CD), founded on a solid base of unitary test and integration tests, outline of the proper usage of techniques as Test and behaviour driven development (TDD/BDD). In order to meet the requirements of these pieces of software, I use different development methods. Based on the needed maturity and the available time I may use pure iterative or agile methods. Finally, to arrive to a good communication in between the different actors related to the development, I use mainly Domain Driven Development techniques for the naming and the general software conception, aiming to develop a common language of communication. And I use pair programming, for sharing know-how and to unify working methodologies.

Previously I worked on L'Ecole des mines de Douai, as an esearch engineer for 18 months (fixed time contract). In this position, I played a similar rol to the current one, working with the robotic research team named "CAR". I was contracted for the development of a framework for the implementation of strategic level behaviours for robots. Including also the implementation of a supermarket robot guide.

Besides my four year experience within the French research, I worked also as software engineer in the industry for twelve years in Argentina and Spain, on many different subjects. My career allowed me to use different **Programming languages**: Python, Java, C#, C/C++, PHP, Javascript, Scala, Groovy, SQL, PL/SQL, T-SQL; many **technologies**: relational and non-relational databases (Oracle, SQL Server, MySql, Postgre SQL, MongoDB, DB4J, Hadoop, Hive), social networks interaction (Facebook, Twitter), operative systems (Linux, Windows), mobile platforms (Android Smartphones and tablets), geographic information systems; many **methodologies**: Extreme programming, Scrum, Kanban, TDD, BDD, DDD; many **paradigms**: object oriented, component oriented, functional, aspect oriented; and also many **architectures**: client-server (with both, heavy and light clients), distributed processing, multilayer (traditional three layers and hexagonal), services (rest and soap) and micro services.

Parallelly, my academic experience in Argentina is also rich. It consists in **study** of almost four years of the career of Software engineering in a recognised institution. I also did my high

school in a professional institution under the same subject, with the title of computing technician, in one of the most important technics institutions of Argentina. **experimentation:** I had being part of many experimentation projects on different subjects, namely: lambda calculus, type inference, monads, parallel and concurrent processing; Finally, important for my life as a mean of personal realisation **teaching:** I worked as ad-honorem assistant on subjects related with software implementation and conception, programming paradigms, and application architecture. Currently I am working on having an accreditation for my experience for having a title from a french university, being represented by INRIA it self.

During all my career I proofed to be a quick learner, being that one of my biggest strengths, allowing me to be quite versatile. With this heterogeneous experience in diametrically different domains, I have the capacity to extrapolate concepts from different domains and being able to offer many non-traditional points of views and solutions. Finally, having developed my self in different cultures, environments and in different roles, as developer, database administrator, researcher and team leader, I gained a strong understanding of many roles related to the software development's life cycle, mixed with the mastering of three languages (English, Spanish and French) makes me a good communicator and team unifier.

**As interesting information, I am in Melbourne in between 1 July and 14 July 2017. If my profile is interesting for you, we may be able to arrange a face to face meeting on these days.**

Cordially,

Santiago Bragagnolo