Patrick Mézard

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Profile

15 years as software engineer for Location-Based Services, simulation software and source control tools, designing and writing online, performance-sensitive systems.

https://www.linkedin.com/in/pmezard

NOTE: Despite having worked in Windows environments most of my professional life, I am fully operational in unix setups and tend to favor OS/platform agnostic tools and technologies.

Employment & Education

Clustree, Paris, France (http://clustree.com/)
> Clustree provides a SaaS product helping HR departments to take decisions about recruitment and talent management. The platform runs on a microservices architecture implemented in Python and deployed in Google Cloud.

Software engineer december 2015-:
- Profile deduplication service, logging framework.
  Python, Elasticsearch, Docker, Kubernetes
- Code reviews, automated testing, build tools.
  Git/Bitbucket, python

MASA Group, Paris, France (http://masagroup.net/)
> MASA Sword is a wargame-like simulation used to train command posts in military and public security organizations. Its strong points are a high level of automation using proprietary AI components, its ease of deployment and robustness. The server part is in C++ and Go, clients mix C++ Qt and OpenGL. Typical deployment runs one server for 50 to 100 clients for one or two weeks without interruption.

Lead Engineer/Architect, august 2012-july 2015:
- Led MASA Sword development team (7 engineers) : technical specifications, code reviews, automated testing, build tools and infrastructure, source control administration, recruitment, internship mentoring.
  Git/Github, Jenkins, python, Go, munin
- Reworked MASA Sword core features : terrain generation, pathfinding, network protocol, testing and benchmarking tools.
  C++, Go, python

tellmewhere.com/dismoiou.fr, Paris, France (http://tellmewhere.com)
> Tellmewhere is a Yelp/Qype-like French startup collecting reviews and checkins on restaurants, hotels and touristic locations. It provides suggestions using an hybrid recommendation engine. The company was bought at the end of 2011.

CTO, march 2009 – september 2011:
- Managed web and mobile development, designed and implemented core services (backends/queuing/interface), handled infrastructure instrumentation, monitoring and optimizations.
  Code reviews, MS-SQL, C#, python, Java (Android), haproxy, munin

Software Engineer, march 2007 – february 2009:
- Worked on initial tellmewhere GWT version, handled the ASP.NET migration, developed QA and deployment tools, took over core tellmewhere database services.
  Code reviews, Java, Javascript, C#, MS-SQL, python

Mappy SA, Paris, France (http://www.mappy.com/)
Mappy is the major French mapping service, one of the first to provide natural map navigation (using Flash components) on Europe and US wide areas in 2004.

Software Engineer/Platform Architect, july 2004 - january 2006:
- Designed or reviewed Location-Based Services platform architecture and implementation.
  Web services, REST, HTTP, Unicode...
- Co-designed a navigation system for mobile phones, implemented web services. Developed a multi-platform build and test system for mobile applications.
  C++, python, Symbian OS, Windows CE, GCC.

Software Engineer, july 2001 - july 2004:
- In charge of Mappy maps component
  C++, cartography and geometry manipulations, rasterization
- Designed and improved Mappy internal application server and networking libraries.
- Helped specifying and setting up coding and testing practices.
  C++, multithreading/queuing, HTTP, Win32 networking.
- Worked on Mappy Location-Based Services platform overhaul (was still in use in the beginning of 2006).
  C++, python, MS-SQL, Oracle SQL, Oracle Spatial, web services architecture and maintenance.

Internship, april 2001 - july 2001:
- Designed and prototyped a new mapping backend to support worldwide coverage, mixing internal developments and recent techniques in the field of spatial indexing.
  C++, MS-SQL, simulation tools.

Ecole supérieure d'électricité (Supelec), Gif-sur-Yvette, France
Student, 1998-2001, Computer Science and Software Engineering final year specialization.

Free Software
Mercurial (http://mercurial.selenic.com/): core contributor from mid-2007 to mid-2012
python, code reviews, unix environments, shell programming.

Various contributions at:
Github: https://github.com/pmezard
Bitbucket: https://bitbucket.org/pmezard

Languages
French: native
English: fluent