

# Software Engineer

## *Quality expert*

With over ten years of experience building quality software, I have developed expertise on how to reduce code debt and accelerate feature development to build bug-free software that customers and developers trust.

Small sample of key practices I value:

Clean interfaces and layers of abstraction, micro-code, naming, testing, types, continuous integration, advanced source-control.

Peer reviews, communication, feedback, team health.

Try things, get feedback, iterate. ab testing

## Professional Experience

Nov 17 - present  
**Pivotal**, CA

- Open source developer for Cloud Foundry. Golang, Java, Ruby.
- Improving long term quality of the code by implementing various strategies like: testing, continuous integration, peer reviews,
- “Identity” project. Implementing OAuth in Java and Go.

Oct 16 - June 17  
**LiveRamp**, CA

- Designing and implementing cross team interface for sharing data
- Using map-reduce (Java Cascading) to process daily terabytes of data

Nov 15 - May 16  
**MachineZone**, CA

- Engineer in the core backend team
- Maintaining core cross-team server side code base, written in PHP

Oct 14 - Oct 15  
**TubeMogul**, CA

- Engineer in the user data-base team
- System is built using Java and Kafka. Storing data in DynamoDB, Couchbase, Aerospike

Feb 13 - Sep 14  
**Google**, CA

- Engineer in Adwords Express
- Working with Java, C++, Flume. Owning and maintaining the team’s dashboard, with over 25 graphs reporting production status.

Oct 10 - Feb 13  
**Mylife.com**  
Mountain View,  
California

- Engineer in the search engine team
- Rewrote the whole search engine in Python with Solr and Cassandra
- Previously working with Ocaml, Lucene, Hbase
- Preparing multi-terabyte data and index in Hadoop

Dec 09 - Sep 10  
**Bouygues**  
Paris, France

- .NET and java programmer
- Maintaining internal software controlling the real-time flow of commercial text messages automatically sent to customers or received from them

## Education

- 2006 - 2008 • Masters degree in Mathematics/Computer Science at Paris VI university, Pierre et Marie Curie and Ecole Normale Supérieure de Paris
- 2004 - 2006 • Bachelor in Computer Science and Bachelor in Mathematics at University Pierre et Marie Curie

## Skills

### *Software, environment*

- Expert • Linux, Microsoft Windows, Mac OS X
- Java, Python, Ocaml
- Testing (JUnit, ...), Hadoop, Solr, L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>
- CVS/SVN, Git, Perforce, (O)Make, zsh, Emacs, Eclipse, Maven, AWS
- Mastered • C, C++, C#, .NET, PHP, Javascript
- Cassandra, Aerospike
- Notions • Haskell, css

### *Computer science*

- Specialist in algorithmic and type theory
- Programming specialist, thanks to a perfect knowledge of sequential, concurrent, distributed, asynchronous, object, imperative and functional paradigms
- Good knowledge of both SQL and no-SQL data storage
- Good knowledge in cryptology and cryptography

## Languages

English	fluent
French	native language
Finnish	fluent
Portuguese	advanced
Italian	basic

## Other interests

- Music • 20 years of piano
- Sports • Rugby, sailing, windsurfing, basketball, volleyball, golf, tennis, running
- Games • Chess, bridge, all sorts of logic games
- Social • Politics, debates