

Damien Krotkine - *DevOps, Team Leader*

In a Nutshell:

- DevOps, Team Leader
- likes NoSQL, distributed systems and huge platforms
- Redis and Riak expert (5 years prof. experience)
- Perl expert (15 years prof. experience)
- Good project management and team leading skills

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Work Experience:

since 2015

Booking.com, France & NL: *Reliability Engineer, Paris & Amsterdam.*

- Member of the special Reliability Team.
- Take action to ensure reliability of the platform as a whole.
- **Technologies:** whatever is needed.

2013 - 2015

Booking.com, France & NL: *Software Engineer, Paris & Amsterdam.*

- Member of the Events System team, storing 7 TB worth of events/day.
- Redesign & implement the events storage system.
- Setup and manage 2 Riak clusters of 30 nodes each.
- Write real-time Map Reduce jobs on Riak in Erlang.
- Implement a real-time data processing system on Riak.
- Implement an Erlang Sereal decoder using NIF.
- Make sure the Events System has enough capacity for next peak time.
- **Technologies:** Riak, Redis, Perl, bits of {Erlang,Go,Cassandra,Hadoop}.

2011 - 2013

Weborama, France: *Team Leader, Perl Senior Developer, Paris.*

- Team leader of Perl developers on advertising analytics product.
- Design and implement real-time user profile storage on a Riak + Redis cluster.
- Work on real-time bidding information storage and process.
- Use and teach the Modern Perl practices.
- Use technical experience to leverage global code quality.
- Improve and develop new development processes, Continuous Integration.
- **Technologies:** Perl, MySQL, Riak, Redis.

2008 - 2011

IDM, France: *Project Manager, Senior Developer, Paris.*

- Oxford English Dictionary production system project leader
- Dictionary production system project leader
- Continuous Integration System developer and project leader
- Main customers: Oxford University Press(UK).
- **Technologies:** PostgreSQL, Oracle, Perl.

2006 - 2008

Venda Ltd, UK: *Perl Senior Developer, Code Review Team Leader, London.*

- Manage the Code Review Team.
- Review other developers' code before inclusion on production sites.
- Develop and include tools to increase global code quality.
- Enforce coding style and Perl Best Practises compliance.
- Technical project manager.
- **Technologies:** Perl, PostgreSQL, XML.

2002 - 2006

IDM, France: *Project Manager, Paris.*

- Project Leader on multiple projects.
- Managed a technical team of 10 people.
- Took care of specifications, project management and post-release maintenance management.
- Main customers: Hachette Multimédia(FR), Longman(UK), Cambridge University Press(UK), Oxford University Press(UK).
- **Technologies:** Mozilla, XUL, NSPR, HTML::Mason, sqlite, PostgreSQL, Perl.

1999 - 2002

Mandriva, France: *Configuration tools developer, Paris.*

- Author of the acclaimed *Mandriva Control Center*.
- Developed a number of graphical configuration tools, as well as the underlying toolkit.
- Various development on the Mandriva Installer.
- Package Maintainer, and general QA on the distribution.
- **Technologies:** Perl, Gtk, rpm, bash, C.

Conferences:

Events Storage **Events storage analysis with Riak at Booking.com:** a talk about using Riak to store and analyse events in real-time at Booking.com

- given at **Devoxx Paris 2015** ([video](#), [conference](#), [slides](#))
- given at **NoSql Matters Paris 2015** ([conference](#), [slides](#))
- given at **NoSql Matters Dublin 2015** ([conference](#), [slides](#))
- given at **Breizh Camp 2015** ([conference](#), [slides](#))
- given at **Goto Conference 2015** ([conference](#), [slides](#))
- will be given at **Percona Live Europe 2015** ([conference](#), [slides](#))
- will be given at **CodeMesh London 2015** ([conference](#), [slides](#))
- will be given at **RICON San Francisco 2015** ([conference](#), [slides](#))

Riak **An Introduction to Riak:** a introductory talk about Riak

- given at **IPPON in 2015** ([conference](#), [slides](#))

Logging **Easy Logging with Message::Passing:** a talk about Message::Passing, a replacement for LogStash

- given at **YAPC Europe 2012** ([conference](#), [slides](#))

Dancer **Dancing with WebSockets:** a talk about using WebSockets with the Dancer Web Framework

- given at **YAPC Europe 2012** ([conference](#), [slides](#))

Publications:

Books **Perl Moderne (2010):** a french book about Modern Perl for intermediate and advanced Perl programmers, written with 3 co-authors. 450 pages. Managed the project and relationship with the editor.

Linux, the complete guide (2006): french book written with 2 co-authors, a guide to linux dedicated to new users. 5 editions, 500 pages.

Open Source Projects:

Perl *Promote, share experience, learn new skills*

- Current maintainer and developer of the **Redis** Perl driver.
- Current maintainer and developer of the **Riak** Perl driver.
- Former core developer of **Dancer**, famous Web Framework.
- President of the **French Perl Mongers** association.

Education:

1997 - 2000 **EISTI (Ecole des Sciences du Traitement de l'Information)**, Cergy, France.
Computer Science studies. Graduated on 4th sept 2000.

1995 - 1997 **Mathématiques Supérieures et Spéciales**, Lycée Claude Bernard, Paris, France.

1995 **Baccalauréat S (high school diploma majoring in Sciences)**, Frankfurt/Main, Germany.

Technical skills:

Theory Algorithms, data structures, object oriented programming, event oriented programming, functional programming, MVC oriented programming, RDBMS knowledge, Test Driven Development.

Systems Linux x86, Mac OS X.

Languages Perl, Erlang, Ruby, C, bash, SQL, Javascript, Elixir wannabe.

Perl modules Moose, Moo, DBI, DBIX::Class, Test::More, Log::Dispatch, Log4Perl, POE, AnyEvent, XML::Twig, LWP, Dist::Zilla, Devel::NYTProf, DateTime, CHI, Dancer, Plack, Template Toolkit, HTML::Mason

Web MVC, CGI, PSGI, HTML, XML, XSL, CSS, JS

RDBMS PostgreSQL, MySQL, SQLite.

NoSQL Riak, Redis, MongoDB, memcached, a bit of Hadoop, Cassandra, CouchBase.

Dev. Tools GNU tools, bash, Emacs, git (including branching, stashing, rebasing), svn, make, perlbrew, screen.

Languages:

French Native speaker. Good writing skills.

English Fluent. Lived 2 years in London

German Read, written, spoken. Lived 4 years in Frankfurt/Main.

Extracurricular activities:

- Climbing, indoor and outdoor, bouldering.
- Mountaineering and Ice climbing.
- Snowboarding, ski touring.
- Russian classical music amateur.