

# Maxime Beugnet

*IT engineer  
Software engineering*

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✉ maxime.beugnet@gmail.com  
29 y.o., born in Toulouse - France  
French, single, no children  
Driving Licence



*Passionate developer, Open Source and new technologies enthusiast, I like to describe myself as a pragmatic Software Craftsman.*

*I am a Java and official MongoDB trainer with various certifications like MongoDB developer (C100DEV), MongoDB DBA (C100DBA) and several Couchbase certifications.*

*I have also been co-leading the MongoDB User Group Paris and Dev4Fun Meetups for the past 2 years. I attend the Software Craftsmanship Meetup regularly and I have a special interest in Artificial Intelligences and BigData as well.*

## Work experiences

June 2016 **Zenika Consultant - MongoDB Audit**, Informatique & Technologies - Caisse d'Epargne, Lyon.

- Analysis of customer needs and volumetry,
- Design of the Sharded Cluster architecture,
- Cost optimisation and live demos.

Since January 2016 **Zenika Consultant - Tech Lead Java/JEE and BigData**, SFR-Numéricable, Paris.

- Recovery of the Java/JEE Backend TV SFR project (general public application),
  - Responsible of the Backend operating 3 millions TV decoders in production,
  - Management and developement from the requirements to the production,
  - Architecture : Analyse and preparation for a rewriting,
  - CraftsmanShip : Code upkeep and improvements,
  - Migration from MySQL to Couchbase and from a Glassfish Cluster to Tomcat,
  - Reworking the Maven organisation,
  - Migrate almost all the production to Docker,
  - Development of new projects from scratch.
- Skills: IntelliJ, Java/JEE, Spring, Glassfish, Tomcat, Mysql, Couchbase, Docker, Maven, Atlassian Suite (Jira, Confluence, Bitbucket, Bamboo).

December 2015 **Zenika Consultant - Full Stack Developer**, Cristal-Union, Reims.

- Creation of a web platform to dematerialise the professional interviews,
  - Assistance in the formalisation of the needs and production of the web pages.
- Skills: IntelliJ, Maven, AngularJS, Bootstrap, JQuery, HTML5, CSS3.

October 2015 **Zenika Consultant - Java/JEE developer**, UCPA, Paris.

- Update on the import/export Excel system,
  - Bugs analysis and cost estimation.
- Skills: Eclipse, Java/JEE, Hibernate, SQL.

March 2015/ **Zenika Consultant - Java/JEE et AngularJS Consultant**, BNP Paribas, Paris.

October 2015

- Development on a software architecture design project,
- Full autonomy on the project,
- Increased capabilities of Eclipse RCP,
- Setup a continuous integration and delivery platform with Vagrant and Atlassian.

→ Skills: IntelliJ, Java/JEE, AngularJS, Spring, Hibernate, MySQL, Jira, Stash, Git, Jenkins, Bamboo.

- May 2015 **Zenika Consultant - Audit MongoDB, Réputation VIP**, Lyon.
- Study of the existing data model and customer need,
  - Complete redesign of the data model,
  - Indexes and critical queries optimisation,
  - Logs analyses to solve the cluster's instabilities,
  - Practical tips and overall cost reduction on AWS.
- February 2015/ **Zenika Consultant - Node.js & MongoDB Developer**, AXA, Paris and Bruxelles.
- March 2015
- Client filtering application for marketing campaigns,
  - Discovery and formalisation of customer needs,
  - Establishing the software architecture,
  - Design of the MongoDB model and architecture,
  - Creating a REST Node.js API to expose MongoDB data,
  - Setup of Elastic to improve critical response time,
  - Creating a random JSON document generator in Java 8.
- Skills: Java 8, Node.js, MongoDB, Elastic, Docker, Codeship, Heroku, Kanban.
- Novembre 2013/ **Zenika Consultant - Java/JEE Developer**, Galec - E.Leclerc, Ivry-Sur-Seine.
- January 2015
- Updates and evolutions in Java/JEE on the ISIS-Offre application,
  - Internal critical product management application of E.Leclerc,
  - Analysis and quantification of corrections and evolutions,
  - Maintenance and creation of PDF exports with Jasper,
  - Raised skills on the Kanban method,
  - Active actor of an application's lifecycle in TMA,
  - Trainer for newcomers to the project.
- Skills: Java/JEE, Hibernate, Spring, Struts, JUnit, Eclipse, PowerAMC, Jasper, CVS, Kanban.
- March 2013/ **Training and personnel development.**
- October 2013
- Deepening my knowledge in Java,
  - Participation in several algorithmic competitions,
  - Refresher course in JEE and deepening of the basics acquired during my studies,
  - Realisation of personal projects,
  - Technology watch.
- October 2011/ **Embedded Software Engineer**, EADS Astrium (Airbus now), Stevenage - United Kingdom.
- February 2013
- Development of embedded code in C for the Lisa PathFinder project,
  - Responsible for unit testing and open-loop testing,
  - Functional analyst,
  - An active member of the embedded software lifecycle,
  - Installation, maintenance and optimisation of the development environment,
  - Scripting to automate heavy redundant tasks,
  - Optimise the performance of different tests and create reporting tools,
  - Code review (bidirectional code reviews) and quality code analysis,
  - Responsible for the training of new developers.
- Skills: GNU/Linux, C, MISRA, RTEMS, Java, Script Shell, Makefile, Eclipse, ClearCase, ClearQuest, Cantata++, VectorCast Cover, Rulechecker, Logiscope, Doors.
- May 2011/ **Embedded Software Engineer - Internship 3<sup>rd</sup> year**, EADS Astrium (Airbus now), Stevenage - United Kingdom.
- October 2011
- Support for project resumption (stop subcontracting),
  - Implementation of a new strategy for Unit Tests,
  - Design of a Unit Test library to replace Cantata++ (reverse engineering).
- Skills: GNU/Linux, C, Java, Script Shell, Makefile, Eclipse, ClearCase, Cantata++, VectorCast Cover.
- June 2010/ **Developer - Internship 2<sup>nd</sup> year**, Capgemini, Pau (64).
- October 2010
- Complete redesign of the application and CSS integration,
  - Rewrite *Gesper* from Visual Basic (heavy client) to C# and .NET (thin client) for *Total*,
  - Implement massive data export from the oracle database to Excel.
- Skills: C#, .NET, HTML, CSS, PL/SQL.

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## Trainer experiences

- April 2017 **Zenika Consultant - MongoDB Trainer**, *Académie de Rennes*, Rennes.  
◦ MongoDB Administration Training (3 days),  
◦ Official Trainer, validated by MongoDB Inc.
- November 2016 **Zenika Consultant - MongoDB Trainer**, *Inter-companies*, Paris.  
◦ MongoDB Essentials Training (4 days),  
◦ Official Trainer, validated by MongoDB Inc.
- January 2016 **Zenika Consultant - Java Trainer**, *SFR-Numéricable*, Paris.  
◦ Java Beginner Training (4 days).
- January 2016 **Zenika Consultant - Java Trainer**, *SFR-Numéricable*, Paris.  
◦ Java Beginner and Advanced custom made (4 jours).  
◦ Help and advices to rework a Java Project.
- December 2015 **Zenika Consultant - MongoDB Trainer**, *Inter-companies*, Paris.  
◦ MongoDB Essentials Training (4 days),  
◦ Official Trainer, validated by MongoDB Inc.
- November 2015 **Zenika Consultant - Java Trainer**, *SFR-Numéricable*, Paris.  
◦ Java Beginner Training (4 days).
- October 2015 **Zenika Consultant - MongoDB Trainer**, *Inter-companies*, Paris.  
◦ MongoDB Essentials Training (3 days),  
◦ Official Trainer, validated by MongoDB Inc.
- 10-12 & 16-19 **Zenika Consultant - MongoDB Trainer**, *ATOS Worldline*, Seclin and Lyon.  
June 2015 ◦ Formation MongoDB Essentials (3 jours),  
◦ Official Trainer, validated by MongoDB Inc.

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## Education and Trainings

- December 2016 **Couchbase CD210 - Data Modeling, Querying and Tuning using N1QL**, *Zenika*.  
4 days training.
- November 2016 **Spring Core**, *Zenika via Pivotal*.  
4 days training.
- September 2016 **Couchbase CS300 - Server Administration**, *Zenika*.  
4 days training.
- November 2015 **Docker**, *Zenika*.  
2 days training.
- April 2015 **MongoDB DBA Official Certification**, *MongoDB, Inc.*  
[https://university.mongodb.com/exams/verify\\_certificate](https://university.mongodb.com/exams/verify_certificate) - numéro : 497-369-558
- January 2015 **MongoDB Developer Official Certification**, *MongoDB, Inc.*  
[https://university.mongodb.com/exams/verify\\_certificate](https://university.mongodb.com/exams/verify_certificate) - numéro : 187-063-954
- July 2014 **Hadoop Training**, *Zenika via Pivotal*.  
4 days training.
- June 2014 **Hibernate Formation**, *Zenika*.  
2 jours training.
- 2014 **MongoDB Training**, *Personal development*.  
M101J, M102, M202 Training from <https://university.mongodb.com/>
- 2008–2011 **Diploma in Computer Engineering**, *École Internationale des Sciences du Traitement de l'Information (EISTI)*, Pau (64) and Cergy-Pontoise (95).  
Option Software Engineering

- 2006–2008 **High School Preparatory Classes**, *High School*, Balma (31).  
Preparatory classes for high scientific school in Mathematics, Physics & Chemistry
- 2006 **Scientific Baccalaureate**, *High School*, Saint-Orens de Gameville (31), With honours.  
Option Special Mathematics.

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## Publications

- 8th April 2016 **Fuites de données via MongoDB : « Ce n'est pas une faille, c'est un problème de culture »**, Zdnet.  
<http://www.zdnet.fr/actualites/fuites-de-donnees-via-mongodb-ce-n-est-pas-une-faille-c-est-un-probleme-de-culture-39835268.htm>

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## Skills

### Favourite Technologies

- Java/JEE Practising since 2009.
- Frameworks Spring Core, Spring-Boot, Spring-Data, Hibernate, XStream, Mockito, Junit, TestNG, AssertJ, Apache Commons, ...
- NoSQL MongoDB, Couchbase, Elastic.
- SQL MySQL, PostgreSQL, PL/SQL.
- BigData Hadoop.
- Languages C, C#, Script Shell, Python, HTML5, CSS3, Javascript.
- System GNU/Linux.
- Tools IntelliJ, Docker, Vagrant, Tomcat, Maven, Git, Subversion.
- Methodologies Craftmanship, TDD, Kanban.
- Standards W3C, ECSS, MISRA.

### Languages

- French **Mother tongue**
- English **Fluent**
- Spanish **Academic**

*I lived and worked 2 years in the United Kingdom.*

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## Meetups & Conferences

- Paris JUG
- Software Craftmanship Paris
- Paris MongoDB User Group
- Dev4Fun
- Devovxx 2014 & 2015 & 2017
- Docker Paris
- Global Day of CodeRetreat

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## Programming competitions

- Since 2013 **CodinGame**, <http://www.codinggame.com>.  
Monthly artificial intelligence competitions with Java. Top 5000.
- Since 2012 **Google Jam Code**, <http://code.google.com/codejam>.  
Global annual algorithmic problem solving competition with Java.
- August 2012 **Code of Duty 2**, *Criteo*.  
Algorithmic problem solving contest with Java.  
Final result: Top 100 among 2100 participants.
- January 2012 **Queue ICPC Challenge**, <http://queue.acm.org/icpc/>.  
Artificial intelligence tournament with Java.  
Final Results: 13<sup>th</sup> out of 53 participants.