Maxime Beugnet

IT engineer
Software engineering

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29 y.o., born in Toulouse - France
French, single, no child
Driving Licence

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

I'm 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 frequent 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.
- Audit and Sharding architecture design.

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),
- Management and developement from the requirements to the production,
- Responsible of the backend operating 3 millions TV Boxes in production,
- Architecture : Analyse and preparation for a rewriting,
- CraftsmanShip : Code upkeep and improvements,
- Migration from MySQL to Couchbase,
- Migration from Glassfish Cluster to Tomcat,
- Reworking the Maven organisation,
- 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.
- Realisation 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/ October 2015 — **Zenika Consultant - Java/JEE et AngularJS Consultant**, *BNP Paribas*, Paris.
- 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	**Consultant Zenika - Audit MongoDB**, *Réputation VIP*, Lyon.
	○ Study of the existing data model and customer need,
	○ Complete redesign of the data model,
	○ Optimisation of indexes and critical queries,
	○ Logs analyses to solve the cluster's instabilities,
	○ Practical tips and overall cost reduction on AWS.
February 2015/ March 2015	**Zenika Consultant - Node.js & MongoDB Developer**, *AXA*, Paris and Bruxelles.
	○ Client filtering application for marketing campaigns,
	○ Discovery and formalisation of customer needs,
	○ Establishing the software architecture,
	○ Design of the MongoDB database,
	○ 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/ Janvier 2015	**Zenika Consultant - Java/JEE Developer**, *Galec - E.Leclerc*, Ivry-Sur-Seine.
	○ 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.
February 2013/ November 2013	**Training and personnal development**.
	○ 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/ February 2013	**Embedded Software Engineer**, *EADS Astrium (Airbus Defense and Space now)*, Stevenage United Kingdom.
	○ 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/ October 2011	**Embedded Software Engineer - Internship 3rd year**, *EADS Astrium*, Stevenage - United Kingdom.
	○ 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/ October 2010	**Developer - Internship 2nd année**, *Capgemini*, Pau (64).
	○ 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.

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 June 2015   **Zenika Consultant - MongoDB Trainer**, *ATOS Worldline*, Seclin et Lyon.
- Formation MongoDB Essentials (3 jours),
- Official Trainer, validated by MongoDB Inc.

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 - numéro : 497-369-558

Janvier 2015   **MongoDB Developer Official Certification**, *MongoDB, Inc.*
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.

March–December 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.

Skills

Favorite Technologies

Java/JEE	Practising since 2009.
Frameworks	Spring, Spring-Boot, Spring-Data, Hibernate, XStream, Mockito, Junit, TestNG, AssertJ, Apache Commons, ...
NoSQL	MongoDB, Couchbase, Elastic.
SQL	MySQL, PostgreSQL, PL/SQL.
BigData	Hadoop.
Other 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

Anglais	**Fluent**	*I lived and worked 2 years in the United Kingdom.*
Espagnol	**Academic**	

Meetups & Conferences

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

Programming competitions

Since 2013	**CodinGame**, `http://www.codingame.com`. Monthly artificial intelligence competitions with Java. I'm currently in the 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/`. Articial intelligence tournament with Java. Final Results: 13th out of 53 participants.