Maxime Beugnet

Software Engineer Senior Developer Advocate MongoDB & Java Expert

☐ 31240 L'Union - France * 37 y.o. - Born in Toulouse - France ☐ +33 7 81 26 42 16 ☑ maxime.beugnet@gmail.com French, legally partnered, 1 son (3 y.o.) Driving Licence



Passionate developer, open source and new technologies enthusiast, I like to describe myself as a pragmatic software craftsman.

After over 6 years at MongoDB and earning certifications as a MongoDB Developer and DBA, I am fully prepared to elevate your MongoDB projects to the next level. I have delivered countless public conferences and Meetups to foster the MongoDB Community and help MongoDB reach its full potential.

I'm passionate about programming competitions and have a keen interest in AI and Big Data.

Work experiences

February 2018/ Developer Advocate & Senior Developer Advocate, MongoDB Inc., Full remote - Paris

- July 2024 O International public speaker (France, Spain, USA, Germany, United Kingdom, Poland, Czechia, Croatia, Denmark, Switzerland, ...),
 - Master of ceremonies at MongoDB .local events,
 - Keynote Speaker: Co-presented the MongoDB .local Paris 2022 keynote alongside MongoDB's CTO (Mark Porter),
 - In charge of all the Java content creation at MongoDB (blog posts, videos, live streams, YouTube shorts, GitHub sample projects),
 - O Meetups: I was running the MongoDB Paris User Group in Paris for 9 years and other meetup groups in Europe,
 - One of the top contributor on the MongoDB Developer Community https://www.mongodb.com/community/forums/u/mabeulux88_xxx/summary.
 - → Skills: MongoDB, Java, Spring Data MongoDB, Spring Boot, Python, JavaScript, Docker, GitHub, React, React Native.

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

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

January 2016/ Zenika Consultant - Tech Lead Java/JEE and Big Data, SFR-Numéricable, Paris

- February 2018 O Recovery of the Java/JEE Backend TV SFR project (general public application),
 - Responsible for the Backend operating 3 millions TV decoders in production.
 - O Management and development from the requirements to the production,
 - O Architecture: Analysis and preparation for a rewriting,
 - Craftsmanship: Code upkeep and improvements,
 - O Migration from MySQL to Couchbase and from a Glassfish Cluster to Tomcat,
 - O Reworking the Maven organisation,
 - O Migrate all the production environment to Docker,
 - O 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,
- O 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,
- Bug analysis and cost estimation.
- → Skills: Eclipse, Java/JEE, Hibernate, SQL.

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

October 2015 O Development on a software architecture design project,

- Full autonomy on the project,
- Increased capabilities of Eclipse RCP, O Set up 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

- O Study of the existing data model and customer need,
- O Complete redesign of the data model,
- Indexes and critical queries optimisation,
- O Logs analyses to solve the cluster's instabilities,
- O Practical tips and overall cost reduction on AWS.

February 2015/ Zenika Consultant - Node.js & MongoDB Developer, AXA, Paris and Bruxelles

March 2015 O Client filtering application for marketing campaigns,

- O Discovery and formalisation of customer needs,
- O Establishing the software architecture,
- O Design of the MongoDB model and architecture,
- O Creating a REST Node.is API to expose MongoDB data,
- O 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 Zenika Consultant - Java/JEE Developer, Galec - E.Leclerc, Ivry-Sur-Seine

2013/ O Updates and evolutions in Java/JEE on the ISIS-Offre application,

- January 2015 O Internal critical product management application of E.Leclerc,
 - Analysis and quantification of corrections and evolutions,
 - Maintenance and creation of PDF exports with Jasper,
 - Improved my skills with 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 personal development

- October 2013 O Deepening my knowledge in Java,
 - O Participation in several algorithmic competitions,
 - O 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 O Development of embedded code in C for the Lisa PathFinder project,
 - O Responsible for unit testing and open-loop testing,
 - Functional analyst,
 - An active member of the embedded software lifecycle,
 - O Installation, maintenance and optimisation of the development environment,
 - O Scripting to automate heavy redundant tasks,
 - Optimise the performance of different tests and create reporting tools,
 - O Code review (bidirectional code reviews) and quality code analysis.
 - O 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 3rd year, EADS Astrium (Airbus now), Steve-October 2011 nage United Kingdom
 - O Support for project resumption (stop subcontracting),
 - Implementation of a new strategy for Unit Tests,
 - O Design of a Unit Test library to replace Cantata++ (reverse engineering).
 - \rightarrow Skills: GNU/Linux, C, Java, Script Shell, Makefile, Eclipse, ClearCase, Cantata++, VectorCast Cover.
 - June 2010/ Software Developer Internship 2nd year, Capgemini, Pau (64)
- October 2010 O Complete redesign of the application and CSS integration,
 - O Rewrite Gesper from Visual Basic (heavy client) to C# and .NET (thin client) for Total,
 - O Implement massive data export from the oracle database to Excel.
 - → Skills: C#, .NET, HTML, CSS, PL/SQL.

Conferences & Publications

2018-2024 Conferences & YouTube videos, Some examples, MongoDB

Java & CSFLE: https://www.youtube.com/watch?v=tZSH--qwdcE

Java & Spring Boot & Spring Data & CSFLE: https://www.youtube.com/watch?v=YePIQimYnxI

Big Data Europe Nov 2022: https://www.youtube.com/watch?v=KOd8sAEYnFM

GraphQL Galaxy 2021: https://www.youtube.com/watch?v=ATPnI3DGeLM

Data Minutes 2021: https://www.youtube.com/watch?v=bURDlvtINQ0

DevFest Toulouse 2023 (French): https://www.youtube.com/watch?v=Sip3Q1G8498

2018-2024 Blog posts, Many missing or removed since I left, MongoDB

 $\verb|https://www.mongodb.com/developer/search/?s=maxime+beugnet&sortMode=0|$

https://www.mongodb.com/company/blog/authors/maxime-beugnet

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

Education and Training

- 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.

 ${\bf September\ 2016\ \ Couchbase\ CS300\ -\ Server\ Administration},\ {\it Zenika}$

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 - Number: 497-369-558

January 2015 MongoDB Developer Official Certification, MongoDB, Inc.

https://university.mongodb.com/exams/verify certificate - Number: 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 now called CY Tech), 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. 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 O Java Beginner Training (4 days). January 2016 Zenika Consultant - Java Trainer, SFR-Numéricable, Paris O Java Beginner and Advanced custom-made (4 jours). O 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 O 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 O Formation MongoDB Essentials (3 jours), Official Trainer, validated by MongoDB Inc. Skills Favorite Technologies Java Practising since 2009. Frameworks Spring Core, Spring-Boot, Spring-Data, Mockito, Junit, TestNG, AssertJ, ... NoSQL MongoDB, Couchbase, Elastic, Kafka. SQL MySQL, PostgreSQL, PL/SQL. Big Data Hadoop. Languages Python, JavaScript, Bash. Web HTML, CSS. System GNU/Linux.

Tools IntelliJ, Docker, Vagrant, Tomcat, Maven, Git, Kubernetes.

Methodologies Craftsmanship, TDD, Kanban.

Standards W3C (web), ECSS (space software), MISRA (embedded C).

Languages

French Mother tongue

English Fluent

I lived and worked 2 years in the United Kingdom.

I've been delivering public conferences in English from 2018 to 2024.

Spanish Academic

Meetups & Conferences

- Paris JUG
- Software Craftsmanship Paris
- O Paris MongoDB User Group
- O Dev4Fun

- O Devoxx 2014 & 2015 & 2017
- Docker Paris
- Global Day of CodeRetreat

Programming competitions

- Since 2013 CodinGame, Artificial intelligence competitions with Java & Python. Top 0.6%. http://www.codingame.com
- 2012 2022 Google Jam Code, Global annual algorithmic problem-solving competition. http://code.google.com/codejam
- 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

Articial intelligence tournament with Java. Final Results: 13^{th} out of 53 participants.

https://www.inf.ufpr.br/maratona/bccchallenge/3/doc/index.html

Hobbies & Interests

- Mountain biking
- Video games
- Tennis
- Scuba diving (PADI certified)
- Trekking (especially in the Pyrenees)
- O Piano
- O Rubik's cube (under 1min)
- Vikings