



# Nicolas DOUILLET

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## Head of Engineering

High Traffic, High Availability,  
Big Data Architect / Developer

Java // Go  
Cassandra // Kafka  
Docker

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It all started with an Amstrad 6128 when I was 10, then with the various languages of my HP 48G calculator, and the handy and amazing DOS programming. During all those years I never stopped learning, challenging myself, and improve my logical and cartesian mind. Today I address with passion the challenges that come with High Traffic infrastructures.

I am very comfortable when it comes to lead a team through project building, discuss ideas and find the best solutions. I love to use the best of each team member for an effective implementation.

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### *Since 2014 // Head of Engineering @Batch*

- Technical manager / leader of a 8 members team
- Designing projects
- Architecturing of high traffic solutions
- Back-End developments
- Windows Phone SDK and Web SDK development

By running the 8 developers Team, I make the technical decisions, design solutions, and lead the development of number of applications built over a modern microservice platform.

Highly Specialized in Back-End technologies (**Java, Go, Cassandra, Kafka, Redis, Docker** ...), I bring my technical experience / guidance by developing other projects, such as the Windows SDK (**C#**) and the Web SDK (**Javascript**), or even alarming scripting in **Python**. I am also helping on providing firsthand support to our clients.

SAS Solution of Push Notifications, working at Batch is facing a High Traffic (up to ~10M of daily active users and 200k visits / min), a Big Volume of Data (24 cassandra nodes), and a 99,9% SLA.

### *2011 - 2017 // Development Lead @AppGratis*

- Leader of 12 developers
- Support needs of fast growing Startup
- Design and development of back-end projects
- Design and development of the CMS

Starting with a small team of 3 devs, I quickly became the development Lead of a bigger team, growing up to 12 developers. I was leading there the effort to design and develop our wide range of Back-End projects, this includes emailing, pushing notifications, tracking clicks / visits, serving the daily offers, and helping to build the CMS for the internal editorial team.

We successfully migrated our technologies to support the rising success of AppGratis (up to 12M d'utilisateurs), from **PHP** (wordpress, symfony) to **Java** (Play! 1, then Play! 2) and from **Mysql** to **MongoDB** and finally **Cassandra**.

### *2006 - 2011 // Founder - Web Developer @Boolverson*

- Company management
- Assisting & Understanding client needs
- Development of my own PHP framework
- Web Sites development + Hosting

I started my own web company, providing robust websites and e-commerce solutions using my own web framework (PHP) and offering the hosting of those developed solutions. Considering the low traffic, the trio **Apache / PHP / Mysql** was widely used, plus some additional missions built in **Java**.

**Listening, consulting, guiding and turning client needs into concrete solutions** was part of my job.

## 2006 // Development Engineer @Apollo SSC

I worked a few months for an IT Service Company where my main mission was to design and build the **online payment solution** of the company Valraiso. This project, written on top of their homemade framework (**Java / JSP / Tomcat**), has been implemented in many commercial websites they sold.

## 2000 - 2006 // Java Developer @Imdeo

- Development of more than 30 Web Sites (servlets Java)
- Java Applets specialist
- Development on the Internal framework

This was my first experience as a developer, Web mostly. At that time we were developing websites with **Java Servlets**. I became the **Java Applets** specialist (and lover), widely used on client side, and built, to list a few, navigation trees, graphic plots, an RTE, and an online makeup application (for Channel and Loréal).

I developed more than 30 websites / intranets / extranets for our well known clients like Michelin F1, McDonald's, Point S, BioMérieux, Bayer ... Those applications were usually written in **Java (Websphere / Tomcat)**, with databases like : **DB2, Oracle, Mysql and SQL Server**. I was also helping to maintain the internal framework, used by around 20 developers, upon which all websites were built.

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## Langages

<b>Java</b>	After 18 year of experiencing <b>Java</b> this is by far the language I master the most, and still use daily.
<b>Go</b>	I have worked periodically with Go over the last 4 years, and I have developed mainly in <b>PHP</b> during 5 years.
<b>PHP</b>	
<b>JavaScript</b>	Lately I took part on projects developed in <b>JavaScript (yarn, eslint, flow)</b> , <b>C#</b> and <b>Python</b> , and of course
<b>C#</b>	I use <b>Bash</b> on a daily basis for the last 12 years.
<b>Python</b>	I will neither speak about <b>C/C++</b> , of course an unavoidable base of my learning, and neither about some
<b>Bash</b>	few languages, barely used, or a long time ago, like <b>Basic, Visual Basic, Delphi, ActionScript, Scala</b>
<b>C/C++</b>	and even <b>ASM</b> .

## Technologies

<b>Cassandra</b>	<b>Cassandra, Kafka, Docker, Redis</b> or <b>MySQL</b> (MariaDB) are part of the technologies I'm using every day for 4 years now.
<b>Kafka</b>	
<b>Docker</b>	I worked during 3 years with <b>MongoDB</b> , a first deep dive into NoSQL, used through <b>Play!</b> framework.
<b>Redis</b>	
<b>MongoDB</b>	I worked with some other databases like <b>Oracle, DB2</b> or <b>SQLServer</b> , and some various frameworks like
<b>MySQL</b>	<b>Wordpress, Symfony</b> ...

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## Diplômes

<b>DUT Computer science</b>	One year specialization.
<b>DUT GEII</b>	Electronic, Electrotechnical, Automatism, Industrial computing
<b>Bac S Option TI</b>	Scientific with Math speciality + Electronic, Electrotechnical, Automatism, Industrial computing and Production Engineering.

## Langues

<b>French</b>	Mother tongue.
<b>English</b>	Professional level.
<b>German</b>	Learned, one day, some fuzzy memories.
<b>Italian</b>	Currently learning.