

Rémy Mathieu

Senior R&D Software Engineer

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— Work Experience —

Sentryo <https://sentryo.net>

Lead Developer / R&D Engineer

2014-12 / Nowadays

Sentryo ICS CyberVision is a network monitoring and threat intelligence platform that provides cyber-resilience for Industrial Control Systems (ICS) and SCADA networks.

Every day, I try to create a robust and solid product in harmony with the business needs. As an early employee at Sentryo, I've worked on, elaborated or contributed on the majority of the parts of the product.

- Lead the 4-members development team of the main product, ICS CyberVision.
- I work with the CTO on the core architecture and on day-to-day evolutions of this architecture to keep everything stable and future-proof.
- Various features of the product: interactive map, detection of suspicious behaviors, dynamic and configurable analysis of the network traffic, ...
- Efficient storage and exploitation of very large datasets.
- Analyzing and decoding (protocols dissection) of network traffic on networks with very high throughput.
- Contributing to the development of the frontend app.
- Internals tools used by the R&D teams.
- Occasionally, customers support + assistance/discovery of the product on-site with customers or partners.

Go, Python, Javascript, Git, PostgreSQL, Angular, HTML5, Yocto, Buildbot, HAProxy, Bash.

AppGratis - Batch

<http://appgratis.com> - <https://batch.com>

Backend Engineer

2012-09 / 2014-12

Batch

- SaaS solution to easily create special offers for mobile applications with remote management and complete analytics. **Java, Redis, Cassandra, Docker**
- Service to send targeted push notifications to mobile users dynamically regrouped in segments. System scaled for billions of pushes per days. **Java, Go, Cassandra, Apache Storm, Docker**

AppGratis

- Daily newsletter system sending millions of localized emails. **Java/Play! Framework, MongoDB, Git.**
- Webservices of synchronization and content serving of offers displayed in the mobile applications. Scaled to support the massive amount of requests. **Java, Cassandra, Docker, MySQL, Git.**
- Company backoffice used for writing and publishing the content in the mobile applications. **PHP/Symfony2, MySQL, Git.**

Business-Geografic <https://business-geografic.com>

Apprentice Software Engineer

2009-09 / 2012-09

- Developed a library to Extract, Transform and Load different SIG file and data formats. **Java, Oracle, PostgreSQL**
- Worked in the R&D team on different features of the "map application generator" AIGLE : the renderer system, software watchdog, data reading/transformation/writing. **Java, SQL, OSGi, SaaS**

Education

Ecole supérieure de Chimie Physique Electronique de Lyon / CPE Lyon

Engineering Degree in networks and programming

2009-09 / 2012-09

IUT Annecy-le-Vieux

DUT Informatique

2006-09 / 2008-09

Cambridge Certificate of Advanced English (CAE)

C1 European Level

2012-06

Languages

French, native speaker

English, full professional proficiency

Misc

Golang Lyon Meetup organizer

2015-08 / Nowadays

I manage the Golang meetups in Lyon. It includes the organization of presentations from various professional users and developers of the Go language plus the organization of coding parties to help people discover the language, its standard library and its frameworks.

Side projects

mehstation an open-source front-end for retrobox — <https://remy.io/mehstation>

strmaker.com - Assets generation (screens, overlays, ...) for streamers — <https://strmaker.com>

memoiz.com - Memos with smart reminders and content auto-enrichment — <https://github.com/remeh/memoiz>

upd an open source upload and sharing daemon — <https://remy.io/upd>

More on my homepage and **Github** account — <https://github.com/remeh>

Squash, climbing, guitar and concerts