

FREDERIC THEVENET

Paris, FRANCE

<https://www.fthevenet.eu/>



SUMMARY

Senior solution architect with a strong software development background currently doing integration, performance tuning and general problem solving around a proprietary search engine and analytics solution at Dassault Systèmes for large customers in the manufacturing, transportation, aeronautics and space & defense industries.

Creator and maintainer of an open source time series & log events visualization tool called *binjr*, built with Java and JavaFX.

Contributor to various FOSS projects, including the OpenJFX Project (5 sponsored contributions, listed as *author* in the OpenJDK census in the OpenJFX Project)

SKILLS & ABILITIES

Languages: Java, C#

UI & client tech : JavaFX, Wix Toolset, JPackage

SCM & Build: Git, SVN, Gradle & Maven

Backend: Exalead CloudView, Apache Lucene, InfluxDB, RRD4J, MSSQL Server

Infrastructure: VMWare vSphere, Hyper-V, Active Directory, Kerberos, HDFS

EDUCATION

1997-1999 BSc (Honors) in Computer Science, Aberdeen (UK), *Robert Gordon University*

1995-1997 DUT Informatique, Clermont-Ferrand (France), *Institut Universitaire de Technologie de Clermont-Ferrand*

EXPERIENCE

- Since 2015 Senior Solution Architect, *Dassault Systèmes (Paris, France)*
- Responsible for all technical aspects of on-premises deployments of ad hoc solutions based around Dassault Systèmes/Exalead search engine and analytics technology (Java-driven with native components)
 - Ownership of the technical architecture design and documentation, hardware sizing, performance tuning and deep dive investigations of stability and performance issues.
 - Deployments can take place in Linux or Windows environments, based on the customer's IT ecosystem.
 - Amongst our customers are most major actors in the aeronautical, aerospace & defense, transportation and manufacturing industries, in France and internationally.
- Since 2016 Author and maintainer of the FOSS tool *binjr* (<https://github.com/binjr/binjr>)
- *binjr* is a time series browser; it renders time series data produced by other applications as dynamically editable representations and provides advanced features to navigate the data smoothly and efficiently.
 - It aims to become the missing link between text editors and command line tools traditionally used to analyze monitoring data locally and full-blown log analytics platforms (e.g. Elastic/Logstash/Kibana stack) that centralizes logs for entire organizations.
 - It is a cross-platform desktop application, built using Java and JavaFX, and available as native bundles for macOS (.pkg), linux (.deb and .rpm) and Windows (.msi).
- 2006 - 2015 Senior Solution Architect, *EMC Corporation (Paris, France)*
- Responsible for all technical aspects of on-premises deployments of EMC Documentum and EMC Captiva document management and documents capture systems.
 - Ownership of the technical architecture design and documentation, hardware sizing, performance tuning and deep dive investigations of stability and performance issues.
- 2004 - 2006 Deployment Consultant, *SWT S.A. (Paris, France)*
- Part of the team in charge of the deployment of automated document capture systems developed by the company.
 - Using OCR/ICR as well as pattern recognition to automatically classify scanned documents and extract content in digital format.
- 1999 - 2004 Software Developer, *FLEXELEARN Ltd. (Aberdeen, United Kingdom)*
- Part of the team in charge of the development of a suite of eLearning applications, used for the production and delivery of interactive learning material.