
MICHAËL GRAF

Senior Full-Stack Consultant
Java Typescript Angular/React

17 years experience

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Skills

Languages, tools : Typescript/Javascript, Angular, React, bootstrap, Java, J2EE, JEE, Web Services, Spring, Spring MVC, Spring Data, JPA, Hibernate, ESB/JMS, JUnit, slf4j, IntelliJ

Database : Oracle, PL/SQL, JDBC, Flyway/Liquibase

Integration : Git, Maven, Bitbucket, Jira, Jenkins, Sonar, Docker

Methods and architecture : Feature Workflow, Code Review, SCRUM, Agile, TDD

Education

2009	MBA (Master d'Administration des Entreprises) option : Projet management IAE Sorbonne, Paris
2002	Computer engineering degree option : Software UTBM, Belfort

Languages

- French Native
 - English Fluent
 - German Basic
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Experience

9mp.org - Project incubator – Lausanne, Switzerland – January 2021 - August 2023 (2 years and 8 months)

Role : Full-stack technical expert

Mission : Development of various applications (learning, quiz, image generation)

- Development, integration, and testing
- Technology watch

Technical Context : Java, NextJS, React, Flutter, Solidity, Machine Learning tools

Etat de Vaud – Lausanne, Switzerland – November 2016 – December 2020 (4 years and 2 months)

Role : Full-stack technical expert

Mission (2016-2018) : Cyberadministration access portal

Business : Issuance of dematerialized state benefits (eg civil status certificates, municipal authorizations, etc.), identity management and electronic communication management between authorities and citizens - **Team Cyber (Portal and Exchange)**

- Introduction of Feature Workflow and Code Review for better code quality, based on my previous experiences
- Discovery of the state "business" : positive experience with a public administration
- Synchronization with multiple teams, including business, architecture, ESB, operations, publishing, archiving, etc.

Mission (2019-2020) : Department for Education

Business (2019) : Improvement of an application for managing exam registrations, qualification procedures, issuance of titles and electronic archiving

Business (2020) : Development of a new BackOffice application receiving requests for cyber services from my 2016-2018 mission

- Sharing of my expertise from the first mission with the new team: good practices, tools, etc. to improve efficiency and quality
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- Use of the functionalities of the framework developed in the first mission to accelerate and standardise the development of new services

Technical Context : Java, Javascript, Angular, REST, JSON, JEE, Spring MVC, Spring Data, Hibernate, SQL Server, Oracle, Jaxb, Jackson, ESB, Git, Tomcat, Jira, Bitbucket, Feature Workflow, Jenkins, Scrum, Agile

Lombard-Odier – Geneva, Switzerland – September 2016 – October 2016 (2 months)

Role : Front-end developer

Mission : Team strengthening and recovery of customer satisfaction

Business : Access Rights Manager

- Difficult initial business/commercial context
- Restoration of customer confidence thanks to increased frequency of deliveries and feedback, based on the Scrum methodology
- Implementation of the whole front-end part

Technical Context : Javascript, AngularJS, Swagger, REST, JSON, Git, Scrum, Agile

E-just – Geneva, Switzerland – November 2015 – August 2016 (10 months)

Role : Full-stack technical expert

Mission : Online justice application development

Business : Commercial dispute settle

- Full Stack Development : JavaScript/Angular and Java/Spring/Hibernate
- Code quality guaranteed by a Feature Workflow and Pull Requests validated by a code review between coworkers
- Expanding start-up, ambitious funding, innovation

Technical Context : Javascript, AngularJS, REST, JSON, JEE, Spring MVC, Spring Data, Hibernate, SQL Server, Spring Security, Flyway, Jackson, Git, Tomcat, Jira, Bitbucket, Feature Workflow, Scrum, Agile

Ateliers Nomades – Geneva, Switzerland – April 2015 - August 2015 (5 months)

Role : Student

Mission : Technological exploration and application development

Technical Context : AngularJS, React, Ionic

parrain.org – Geneva, Switzerland – November 2014 – March 2015 (5 months)

Role : Full-stack technical expert

Mission : Crowdfunding site development (in French, parrain means patron)

- Site conception (Javascript, AngularJS)
- Technical help and guidance on Java backend (JHipster, Spring, OAuth)
- Client-server I/O spec (JSON, REST)
- Deployment (hosting, server install/config, development workflow, Git, Jenkins, etc.)
- Development, tests and integration

Technical Context : JHipster, Javascript, AngularJS, REST, JSON, JEE, Spring MVC, Spring Data, Hibernate, SQL Server, Spring Security, Jenkins, Git, Cloud9, Docker

Pictet – Geneva, Switzerland – September 2013 – October 2014 (14 months)

Role : Expert and Technical Lead in Javascript / Angular.js

Mission : Development of several thin client (=in the browser) business applications

Business : Complete development of 2 main applications : Client base management software, and Incoming document management software

- Software architecture conception of the web client (Javascript, AngularJS)
- Client-server I/O spec (JSON, REST)
- Development, tests and integration
- Critical and urgent application successfully delivered on schedule and budget

Technical Context : Javascript, AngularJS, REST, JSON, JEE, Spring MVC, Spring Data, Hibernate, SQL Server, Spring Security, Jenkins, Sonar, Git, SVN, Tomcat

**9mp.org - Project incubator – Lyon, France – February 2012 – July 2013
(18 months)**

Role : Lead developer

Mission : Development of several websites (gaming, chat, prospect management)

- Direction, coordination and organisation
- Management and formation of 7 team members
- Development and integration, technical reference
- Deployment (hosting, server install/config, development workflow)
- Technology watch

Technical Context : AngularJS, Node.js, JQuery, HTML5, CSS3, Bootstrap, Ruby, Java, php, flash media server, Debian, ssh, server bash/CLI

**Société Générale SGCIB – Paris, France – February 2010 – February 2012
(24 months)**

Role : Software consultant

Mission : Data aggregation software development

Business : Pricing data and KPI (Key Process Indicators) management

- Agile daily meetings
- Specifications and documentation
- Application architecture conception
- Development and integration

Technical Context : Java, EJB, JPA, Oracle, Spring, Hibernate, Swing, Web Services, Maven, Tibco, JMS

IAE Sorbonne – Paris, France – September 2008 – July 2009 (1 year)

MBA (Master d'Administration des Entreprises)

option : Project management

Cosmosbay-Vectis / Sanofi-Aventis (pharmaceutical laboratory) – Lyon, France – March 2006 – July 2008 (28 months)

Role : Software consultant

Mission : J2EE business software development

- Collection of the user's requirements
- Database conception
- Development, tests and integration
- Familiarisation with SAP, the company supply chain management software

Technical Context : Java/J2EE, HQL, Eclipse, Oracle, SAP, Struts, Spring, Hibernate

Sword Group / EDF (French national electricity company) – Lyon, France – October 2005 – February 2006 (5 months)

Role : Software consultant

Mission : Application redesign on a new web portal

- 3-tier architecture experience
- Tight schedule : up to 20 people at once for a 5-month project
- Specifications, development, documentation and tests

Technical Context : Java/J2EE, Weblogic, EJB, MDB, JMS, Oracle, UML

Sword Group / Ministry of Agriculture – Lyon, France – April 2004 – September 2005 (18 months)

Role : Software consultant

Mission : Thick GIS client (Geographic Information System)

- Specifications writing
- Required feature development
- Documentation
- Tests
- Maintenance

Technical Context : Java, Swing, FOP, Eclipse, PowerAMC
