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

Experience

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

- 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 : **Development of applications in several technologies**

- **AngularJS** / Ionic (mobile applications)

- **ReactJS** / Webpack

- **JQuery** / JQueryUI

- **Design** / CSS

- **PHP** / CMS

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