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# MICHAËL GRAF

Senior Full-Stack Consultant  
Java Javascript Angular/React

14 years experience

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## Skills

**Languages, tools** : Javascript, AngularJS, Bootstrap, REST, JSON, Karma, Jasmine, Java, J2EE, SQL, JAX-WS, Web Services, EJB, Spring, Spring MVC, Spring Data, JPA, Hibernate, JMS, JUnit, Log4j

**Database** : Oracle (PL/SQL), Sybase (T-SQL), JDBC

**Integration** : NodeJS/npm, Bower, Grunt, Maven, Jenkins, Sonar, Git, SVN

**Methods and architecture** : Feature Workflow, Code Review, SCRUM, Agile, Lean, UML, TDD, OOP

## 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

### **Etat de Vaud – Lausanne, Switzerland – November 2016 – Today**

**Role :** Full-stack technical expert

**Mission :** 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)**

- Full Stack Development: JavaScript / Angular and Java / Spring / Hibernate
- 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.

**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

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**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)
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- 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)
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- 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

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**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

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