

# Kamal Farsaoui

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## Web Developer

### Qualifications Summary

**Leader and project manager;** drive web architecture decisions and lead projects from concept through the release process.  
**Skilled in most important phases of the web development lifecycle;** able to translate business requirements into technical solutions; insuring quality, usability and scalability.  
**Entrepreneurial and startup spirit;** able to work in mission-critical projects, with small dead-lines and big challenges.

### Technology Summary

**Front-end Development:** HTML5, CSS3, Javascript (Aura, Backbone, AngularJS, Underscore, SocketIO, SVG D3js, jQuery, AJAX), ActionScript 3.  
**Back-end Development:** PHP, MySQL, Symfony, Doctrine, MongoDB, NodeJS, ExpressJS, Memcached, Gearman, Supervisor, API Development.  
**Design:** Photoshop, Illustrator, InDesign, Flash, Flex.  
**Methods & Tools:** Yeoman, Grunt, Bower, MEAN Stack, MVC, SCRUM, Event-Driven Architecture, TDD, GIT (Github), SVN, Twitter Bootstrap, Responsive Web Design, Netbeans IDE, Eclipse, MySQL Workbench.

### Professional Experience

#### Mini Projects :

**D3 Analytics:** An application developed in Symfony2 (REST API), AuraJS, BackboneJS and D3js. It allows you to create data visualizations. Github repository: <https://github.com/elfakamal/d3-analytics>

**D3 Uml Modeler:** An UML modeling application developed with AngularJS, D3js and Firebase (work in progress). Github repository: <https://github.com/elfakamal/d3-uml-modeler>

**SCENARIO:** A tool that creates flowchart to visualize the interactions between different interfaces of an application. Technology: MEAN Stack, RequireJS (AMD pattern) (In progress). Github: <https://github.com/elfakamal/scenario>

#### Co-Founder & CTO at Neiiio, Montpellier France, Start date: December 2010, End date: March 2013 :

Neiiio develops SaaS services for the Social CRM market, based on a home-made semantic analysis technology.

#### Accomplishments:

- Ensured the development and evolution of Neiiio products by managing the development team in Agile SCRUM.
- As head of R&D, I supervised the external collaboration with the LIRMM (Laboratory of Informatics, Robotics and Microelectronics of Montpellier) laboratory.
- Provided technical support to Neiiio partners.
- Designed a fast release architecture by building a GIT branching model.
- Designed, among others, the user experience of the most important products (Contact Management, Sales Intelligence).
- Designed the corporate identity of the company (logo, prints, business cards) using Illustrator, Indesign and Photoshop.
- Developed a scalable and decoupled architecture using Backbone and Aura (a scalable event-driven Javascript architecture for developing widget based applications).
- Built a scalable, load balanced, and distributed backend architecture using Gearman.
- Participated to the Database design (large-scale MySQL database).
- Built the core functionalities of the Contact Management product (Import contacts using social APIs (Facebook, Linked'In, Twitter, Gmail, Viadeo, Salesforce), Similarity Algorithm that merges similar contacts from different Social Networks, Contact information enrichment, Groups management, a Social Notifications & Alerts feature using Linked'In and Viadeo news feeds).
- Built the Neiiio OAuth Server that handles user's authorization & authentication.
- Built the REST API of almost all the features of Neiiio products.
- Built the core functionalities of the Sales Intelligence product (lead generation, company search, Role System).
- Functional Tests using Symfony, and performance profiling using facebook's XHProf profiler.
- Built 2 payment systems, a Paypal based payment system, and a LicenceToBill based payment system.
- Built a notification system using NodeJS, Memcached and SocketIO.

**Technologies :** HTML5, CSS3, Javascript (Aura, Backbone, RequireJS, Underscore, SocketIO, SVG D3js, jQuery, AJAX) PHP, MySQL, Symfony, Doctrine, NodeJS, Memcached, Gearman, Supervisor, XHProf.

**Methods & tools :** MVC, Active Record Pattern, Netbeans IDE, MySQL Workbench, GIT (Github), Test-Driven Development event-driven architecture, Illustrator, Photoshop, Indesign, Twitter Bootstrap, SCRUM.

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### Professional Experience

#### **Co-Founder & Project Manager at Neïio, Montpellier France, Start date: October 2009, End date: December 2010:**

Head of Development and evolution of a 3D browser extension, a bookmarking application.

##### **Accomplishments:**

- Contributed to the Database design.
- Built the REST API of the bookmarking aspect of the application.
- Contributed to the UI design (Photoshop & Flash Catalyst).
- Built a wall presentation of bookmarks using Papervision3D.
- Implemented the drag & drop functionality, to import bookmarks (documents & photos) into the application.
- Managed junior developers and interns using the Extreme Programming methodology.

**Technologies :** Flex, AIR, MXML, ActionScript 3, Papervision3D. XML, PHP/MySQL (Symfony/Doctrine).

**Methods & tools:** MVC, Active Record Pattern, Flash Builder, Eclipse, SVN/TRAC, eXtrem Programming.

#### **Project UML Modeler, Montpellier France, Start date: July 2009, End date: October 2009 :**

A UML Modeler that saves and exports diagrams in the XMI universal format.

**Technologies :** Flex, AIR, ActionScript 3, XML, XMI.

**Methods & tools:** MVC, UML OMG Specifications, Flash Builder.

#### **Intern at IUT Montpellier France, Start date: January 2009, End date: March 2009 :**

Project: Vehicle tracking application.

**Technologies :** JAVA, Web Services (WSDL).

**Methods & tools:** MVC, Eclipse, Apache Axis (Web Services), JAVA Swing (GUI).

#### **Founder & CEO at CSI (Créateur de Solutions Informatiques), Beni-Mellal Morocco, Start date: 2006, End date: 2008 :**

CSI's mission is to provide elegant solutions to its customers, and creative tools that power the future of the web.

Web design, Graphic Design (Illustrator, Photoshop), Corporate Identity (InDesign), Digital Animation (Flash),

Application Development (Desktop, Web), Implementation e-learning platforms (PHP/MySQL).

#### **Palmares of careers national award, OFPPT, Casablanca Morocco, 25 July 2006:**

A national contest of ideas for IT business projects. I had the 1<sup>st</sup> prize of careers palmares of the OFPPT (Office de Formation Professionnelle et de Promotion du Travail).

Project: E-learning platform (PHP/MySQL).

#### **Intern at CRAFS, Beni-Mellal Morocco, Start date: April 2006, End date: May 2006 :**

CRAFS is an acronym for "Centre de Recherches Appliquées et de Formations Spécialisées" a research and training institute.

I implemented an e-learning platform. Technologies : PHP/MySQL.

### Education

#### **Montpellier University II, IUT (Institut Universitaire de Technologie), Montpellier France, 2010:**

B.S in Computer Science, IT Project Management.

#### **Institut Spécialisé de Technologie Appliquée, Beni-Mellal Morocco, 2006 :**

(means: Applied Technology Specialized Institute)

IT University Degree, (equivalent to Associate), first of class.

TSDI (*Technicien Spécialisé en Développement Informatique*, means: Specialized Software Development Technician)

#### **EL AMRIA High School, Beni-Mellal Morocco, 2002 :**

Scientist baccalaureate diploma.

**Languages** French, English, Arabic.

**Interests** Entrepreneurship, Startups, Architecture, Interior design, Video Games, Jogging, travel, chess, music, cinema.