

# Enrico Baioni

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## Summary

I am a senior software engineer with experience across start-ups and enterprises in which quick turn-around, performance, scalability are a must. I am capable of designing and implementing complex high availability systems and applications able to serve significant user bases.

Throughout my career, I developed skills on both backend and frontend technologies (PHP, Nodejs, Javascript, Linux Bash, MySQL, Angular).

I am a reliable and active member of the team who looks for improvements in processes and suggests alternative workflows. I am pro-active, able to ensure the delivery of a project through my leadership and manage stakeholders expectations.

Also, I am a cloud enthusiast and a certified AWS solutions architect

## Computer Skills

Atlassian Software: JIRA, Confluence, Bitbucket

AWS: personal projects running on aws, certified Solutions Architect – Associate, studying for the Professional Exam

Programming languages: NodeJS, PHP 5.x, HTML5, JS, Java, XML, Bash, SQL, ES6

Concurrent programming: Java threads

RDBMS: MySQL, DB2

Application Server: Apache, Tomcat, Nginx

Version Control: SVN, Git, Github

Agile development processes: Scrum, Kanban, Extreme Programming

## Work Experience

### Senior Software Engineer at YAHOO!7

Feb 2014 – Now

I'm part of the web engineering team. We take care of all YAHOO!7 properties. Main technologies involved are Node.js, PHP and Java.

Main Projects:

- Architecture and design of a custom javascript framework developed on top on Express (node.js) taking full advantage of latest ES6 features (with the help of *babel*), unit test (*mocha*, *chai*, *sinon*, *istanbul*) and functional tests
- Launch of the Yahoo!7 homepage across three devices as part of the Yahoo global Homerun project, with strict SLAs. Main technologies: nodejs, Java, html, YQL.
- Australian Tennis Open desktop site redesign with live feeds from all the courts
- Data ingestion and API communications with external providers

Besides technical challenges, I expanded my responsibilities to

- Tech architecture designs
- Improvement of existing workflows for the team
- Implementation of multiple tools to improve productivity
- Technical interviewer for new candidates
- Mentor for new hires/junior developers

**Creator of Slashnotes (app for Slack)**

**April 2016 – Now**

I went through all the steps in the creation of this personal project on both tech and product sides.

App is available for download, it has a steady stream of teams signing up per week.

Tech involved: nodejs, AWS.

<https://www.slashnotes.com>

**PHP Software Engineer at Zanui.com.au (Rocket Internet)    October 2012 – December 2013**

Zanui.com.au (aka Internet Service Australia 3) is an e-commerce platform operating in Sydney.

Here I follow the principles of an agile development (scrum - with daily standups, estimation thru story points, retrospective meetings etc.)

Zanui.com.au is a multi-application system developed in different frameworks: Zend, Symfony2 and Yii.

We built our mobile website using angular js and our set of Rest API using Symfony2.

I improved my abilities to write better code and optimized the efficiency of the existing one.

**Achievements:**

- Integration of a recommendation engine into the existing application: final goal was being able to provide recommendations to the final customers based on multiple variables such as clients' purchase history, pages viewed, items saved etc)
- Rest API for the mobile website
- Business rule engine to optimize automatic carrier selection and booking.
- Development of new functionalities for the warehouse management system such as inserting data through bar-code scanners.
- Design and implementation of a shipping cost estimation algorithm that takes into account multiple variables (items sizes, weight, origin, destination...)

**Name and address of employer: Internet Service Australia 3 (Zanui), Level 3, 60-64 Reservoir St. Surry Hills, NSW, 2010 (Sydney, Australia) (<http://www.zanui.com.au>)**

**Type of business or sector: e-commerce.**

**IT Architect & Software developer at Business Integration Partners    April 2012 – June 2012**

Business Integration Partners is a management consulting company specialized in Business Integration and Innovation.

I worked as IT Strategy & Architectures consultant for an international telecommunication company (Vodafone).

I designed, analyzed, developed and optimized software tools used for knowledge management and IT/Network systems architectural design. I developed using ASP.NET and VB.NET as main programming languages deploying on remote IIS server. I improved my skills over Microsoft environments like Visual Studio, Microsoft Office Runtime Plug-in and .NET framework.

**Achievements:**

- I developed an algorithm to generate MS Visio's diagrams automatically, which keeps architectural schemas always up-to-date.
- I completed the integration between the architectural design tool, that allows architects to create system designs, and the architecture knowledge base. I made a wizard that allows administrators to manage new systems and designers' requests and keep trace of all the decisions made that has been successfully presented to the final client.
- General bug fixing and refactoring over existing code.

**Name and address of employer:** Business Integration Partners, Piazza San Babila 5, Milano (Italy)

(<http://www.businessintegrationpartners.com>)

**Type of business or sector:** management consulting company specialized in Business Integration and Innovation.

**Software Developer & System Administrator at Tuotempo S.R.L. August 2008 – October 2010**

I worked as a web developer for more than two years at Tuotempo. I took care of both back-end and front-end development following model-view-control design pattern. My responsibilities were to find out the best solution of a problem and translate it into quality code. I used to write PHP code as well as SQL and HTML, CSS, XML code using Zend Studio as IDE.

The architecture was Linux-Apache-MySQL-PHP, also called LAMP, and I also have to monitoring the system through linux console. I had to use bugs tracking software as well a code version control system (Tortoise SVN)

**Achievements:**

- I took care of several projects respecting deadlines and customers' expectations designing reliable solutions. I designed an Instances Administration Panel to allow re-sellers and administrators to manage clients, to recharge their credits and to customize principal information of each one.
- I set up a log system with alerts send via SMS, Email, Voice messages to be aware of problems (and to fix them) before clients complain.
- I also took care of security aspects, so I made a backup script that stores data remotely using SSH and encrypt them with on-the-fly AES Key.
- I made a socket server to manage local client instances and to keep them synchronized sending push notifications.
- General bug fixing and refactoring over existing code.

**Name and address of employer:** Tuotempo SRL, via Ugo Bassi 11, Bologna (Italy) (<http://www.tuotempo.com>)

**Type of business or sector:** CRM Software Solutions for Healthcare

## Education and training

### **Master's Degree in Computer Engineer (110/110)**

**September 2009-March 2012**

Final project: experimentation and development of stereo vision's algorithms on FPGA. I designed and developed real-time solution to elaborate two streams of images obtaining a 3D vision.

*Principal subject:* Project Management – Network Security – Operative Systems - Hardware Programming – Software Engineer – Distributed Networks and middleware Infrastructure – Artificial Intelligence

*Organization:* Alma Mater Studiorum, Univeristy of Bologna

*Address:* Viale del Risorgimento 2, 40100 Bologna (Italy)

### **Erasmus Exchange Student**

**September 2010-July 2011**

*Principal subject:* Software Engineer – Real-Time Systems – Digital Systems – Spanish Language

*Organization:* Universidad Politecnica de Valencia

*Address:* Camino de Vera, s/n 46022 Valencia (Spain)

### **Bachelor Degree in Computer Engineer (108/110)**

**September 2006-June 2009**

*Principal Subjects:* Software Development - Operation Research - Computer Networks – Computers' Architecture – Database design – C Programming – Java Programming – OOP Programming

*Organization:* Alma Mater Studiorum, Univeristy of Bologna

*Address:* Viale del Risorgimento 2, 40100 Bologna (Italy)

## Language

*Italian:* mother tongue

*English:* Independent user (IELTS Certification: overall 8 – July 2015)

*Spanish:* Independent user

## Personal skills

- Ability to work in team as well as independently gained through my work experiences.
- Ability to adapt to multicultural environments, gained through my study experience as exchange student and my experience here in Sydney.
- Highly motivated
- Time management and strong organizational skills.
- Ability to meet goals and deadlines
- Quick-learner, reliable and hard worker.
- Friendly ☺