EDOUARD SWIAC

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WORK EXPERIENCE

Hotwire.com (an Expedia, Inc company)   Since April 2012
Software engineer   *San Francisco, CA*

· Platform engineering team of 3, working closely with software architects using the Kanban method
· Team successfully extracted and modularized the business rules engine (ILOG) from the monolithic Hotwire code base to a modular maven/Spring 3 decoupled service.
· Led the continuous integration effort of business pricing rules' regression testing, from manual testing done by Revenue Management team to an automated job in Jenkins.
· Developed a modular JMX client used by monitoring systems in production and QA environments.
· Proposed and designed a solution to generate and store Hotwire search data (air/hotel/car queries) in a NoSQL database using BDD, AOP and MongoDB.
· Worked with Java 6, Spring 3 (DI, Remoting), maven 3, MongoDB, Jenkins

2600hz   April 2011 - April 2012
Software engineer   *San Francisco, CA*

· Various contributions to major features (voicemail, hot desk, call flows) of the open-source, carrier-grade VoIP platform Kazoo.
· Built REST APIs on top of CouchDB and respecting REST principles.
· Developed integration with Microsoft Lync Server (outbound calling, call forwarding, AMQP bus communications).
· Several contributions to a server deployment tool and a gem to consume the platform's services.
· Worked with Erlang/OTP, CouchDB, git, ruby.

Agendize   November 2010 - March 2011
Software engineer - contractor   *Montreal, CA*

· Partial implementation of RFC 4791 (CalDav) to add synchronization to a calendar feature.
· Worked with Java.

Sellermania   July 2010 - October 2010
Software engineer intern   *Paris, France*

· Design and development of an heuristic to weight the pricing strategy of 20 millions items sold on Amazon FR, UK and DE.
· Worked with Java, Hibernate 3, MySQL.

Usine 23   July 2008 - January 2010
Software engineer intern   *Paris, France*

· Built a PHP middleware to connect several heterogenous ecommerce APIs to the company PHP backend. It performed listings export, orders import, data curation and sales synchronization.
· Wrote core business and service classes for the backend. Architected the foundations of the company's internal PHP framework.
· Worked with PHP 5.2, MySQL.

EDUCATION

SUPINFO San Francisco, CA   *November 2011*
M.S. in Computer Science
Thesis: "Integration of software components in an heterogeneous distributed environment"

Dominican University of California, San Rafael CA   *November 2011*
Certificate in Management and Marketing of IT

SUPINFO Paris, France   *November 2010*
B.S. in Computer Science

TECHNICAL SKILLS

Computer Languages	Java (Spring/Maven), Python, Erlang/OTP, PHP (Zend certified)
Web development	HTML5/CSS3, jQuery. Good sense of design and UI
Protocols & APIs	XML, JSON, HTTP+REST, AMQP
Databases	MySQL, PostgreSQL, MongoDB, Redis
Other	Perforce/git, Eclipse/Vim. Linux/Mac OS. TDD/BDD. Agile methods.

PERSONAL SOFTWARE PROJECTS

Creator of `http://linkstash.net`, a short-term bookmarking web app that runs with Python/Flask, Redis and Heroku.

Founder of `http://musicpad.me`, a platform for musicians and music teachers to manage and share their repertoire's music sheets and tablatures. In development.

Submitted French translation of PHP documentation (SVN #290561).

Arduino pet project: remote controllable heater.

INTERESTS

Sports Avid runner and soccer player. Beginner at boxing, interested in golf.

Music Guitar and bass player for over 7 years. Attending music school. Playing in a band.