

Email: joey@clouvel.com  
Nationality: French

# JOEY CLOUVEL

Website: joeyclouvel.com  
Portfolio: devlopr.com

## EXPERIENCES

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**Associate Software Engineer**                      **Goldman Sachs**                      **May 2018 to present**  
(London, England)

Realty Management Division (RMD) Tech team

**Senior Software Engineer**                      **RemitONE**                      **May 2015 to May 2018**  
(Software Engineer until April 2017)                      (London, England)

Money transfer software solutions for banks, Money Transfer Operators (MTOs) and B2B.

- Increased security with 2FA, Encryption, Blacklist, AML and KYC implementations.
- Wrote technical specifications for 64 client projects.
- Engineered an internal platform to control and perform Data Analysis on client systems.
- Integrated with 22 third party systems.
- Specked out and supervised the development of a white labelled Android app.
- Improved internal code quality by introducing branches, merge requests and code reviews.
- Technologies used: PHP, Java, Doctrine, PostgreSQL, SOAP, REST, cURL, JavaScript, Laravel, Symfony, Mercurial, Git

**Master research**                      **Oxford Brookes University**                      **May to September 2014**  
**Cognitive Robotics Laboratory**

Real-time pointing gesture recognition system

- Built and trained an Artificial Neural Network using back-propagation with an accuracy of 88.1 %.
- Increased state-of-the-art pointing direction accuracy to 5.3°.
- Technologies used: Python, Kinect, PyOpenNI, OpenCV, NumPy, PyQt, Git.

**Developer**                      **Arvitek & SEA**                      **November 2011 to September 2013**  
(Remotely in Tianjin, China & London, England)

- Development of a private web-application to coordinate all interventions, provide simplified feedbacks and securely hold client informations; used daily by all employees.
- Developed a tailored framework of a social network with private messaging, friend lists, ranks based on overall activity and event planing.
- Technologies used: PHP, MySQL, SASS, jQuery, Gmail API, Google Maps API, Grunt, Git.

**Software Engineer, Intern**                      **Nexalogy**                      **May to September 2011**  
(Montréal, Canada)

Java Twitter streamer app

- Improved application stability and reliability; increased its processing up to 50 tweets /s.
- Increased performances through multi-threading and memory optimisations.

Social media trends analysis web-app development and bug-tracking (Twitter, Facebook, Google+)

- Integrated real-time statistics and controls of the twitter streamer with graphics.
- Improved latency through advanced deferred module loading.
- Fixed all known issues from the bug-tracker and updated the documentation.
- Technologies used: PHP, Codelgniter, MySQL, HTML, CSS, jQuery, Highcharts, SVN.

**Developer & Technician****ISD Informatique**  
(Moûtiers, France)**July to September 2009 & 2010**

- Development of showcase websites and a taxi booking solution.
- Created a tailored back-office to handle hotel reservations online.
- Implemented Debian network solutions. Installed hotel WiFi hotspots (secure access and logs).

**EDUCATION**

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**Oxford, England****Oxford Brookes University****Fall 2013 – May 2014**

- **MSc. in Software Engineering, with distinction.** GPA: 3.97 out of 4.0
- Graduate Coursework: Formal Software Engineering; Paradigms of Programming; Software Production; Programming Applications; Secure Systems Architecture.
- Implemented B Method and Spec# projects with complete validation.
- Experimented with: Imperative languages (Ruby), List-based languages (Lisp), Concatenative languages (Factor), Functional Programming (Haskell), Logic Programming (Prolog).

**Nice, France****Supinfo International University****Fall 2009 – May 2013****Montréal, Canada****London, England****Tianjin, China**

- **MSc. in Computer Science.** GPA: 3.28 out of 4.0
- Member of security and iOS development laboratories.
- Learned and re-enforced my knowledge in the followings:
  - Development: HTML, CSS, JavaScript, C, C++, Java, PHP
  - Database: Oracle PL/SQL 11G
  - Other: Web strategy, Agile
- Experienced with the followings even if they do not suit my preferences:
  - Development: Assembly, Objective-C, Android, Windows Phone, iOS
  - Network: Cisco CCNA & security, Microsoft Sharepoint & Exchange, VOIP
  - Administration: Mandriva, Suse, Kali, OSX server, Windows server
  - Other: Ethical Hacking, IT law & management, ITIL, Merise

**Hyères, France****Maintenon Private High school****June 2009**

- French Scientific Baccalaureate, diploma of Collegial Studies equivalent, with honours.
- Speciality: Physics and Chemistry.

**KEY SKILLS**

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**Software development**

C++ (+ Qt &amp; SDL), Java, Python

**Web development**

PHP (OOP), SQL, HTML, CSS (+ SASS, Bootstrap), Javascript (+ jQuery, Node.js)

**LANGUAGES**

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- **TOEIC:** Scored 970 out of 990 at Beijing Language and Culture University (China) in April 2013.
- **French:** fluent (native). **English:** fluent. **Spanish:** intermediate. **Mandarin & Japanese:** beginner.