Email: joey@clouvel.com

JOEY CLOUVEL

Website: joeyclouvel.com
Portfolio: devplopr.com

EXPERIENCES

Vice President Software Engineer *(Associate Software Engineer until Dec 2019)*	**Goldman Sachs** *(London, England)*	**May 2018 to present**

Global Credit Technology (FICC)
* Oversees pre-trade flows and applications in EMEA including high throughput business critical Market Making applications for Corporate & Government Bonds, Loans, ETFs, Single-name CDS and Indices.
* Manages an engineering team and report to global Stakeholders.
* Project lead on monolith decoupling to highly scalable and resilient microservices of business critical components for distribution of indicative levels.
* Third party APIs integration and collaboration with Bloomberg.
* Planning and execution of Reuters Market Data System (RMDS) cross-regional upgrade.
* Participates in global engineering & development efforts to uplift and abstract underlying Market Making data flows.
* Daily interactions with Traders & Stakeholders for monitoring objectives (OKR) and gathering operational needs.
* Technologies used: Java, Kafka, MongoDB, Vert.x, ZooKeeper, Prometheus, TypeScript, SASS, React, Angular, Slang (proprietary), SVN, Git

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

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.
* Represented the company at the IMTC World 2017 in Miami.
* Engineered an internal platform to control and perform Data Analysis on client systems.
* Integrated with 22 third party systems.
* Engineered 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** **Cognitive Robotics Laboratory**	**May to September 2014**

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

* 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, CodeIgniter, MySQL, HTML, CSS, jQuery, Highcharts, SVN.

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

- 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

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).

	Supinfo International	
Nice, France	**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

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

- French Scientific Baccalaureate with honors.
- Speciality: Physics and Chemistry.

KEY SKILLS

Software development

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

Web development

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

LANGUAGES

- **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.