

Email: joey@clouvel.com
Nationality: French

JOEY CLOUVEL

Website: joeyclouvel.com
Portfolio: devlopr.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**
(Montréal, Canada)**May to September 2011**

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

- **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

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.