

Nicolas Léveillé

34 years old — b. 1977 in France
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Software Engineer & Project Manager

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Education

MS. Computer Sc. Engineering Degree at ENSICAEN/ISMRA, Caen, France	2000
PCSI/PC Sc. CPGE undergraduate studies at Lycée Jançon de Sailly, Paris XVI	1995 – 1997
Sc. Baccalauréat with high honours	1995

Profile

Management Lead teams of up to 10 senior developers (500-1000 man-days/year within a 10M€/year project). Estimate costs and planning. Report to senior management. Coach & train young or experienced programmers.

Development Design, develop, maintain, optimize and support enterprise software, as backend programmer. Develop audio and realtime graphics software.

Analysis Discuss and collect business requirements with end-users. Write vision-documents and development proposals / use-cases.

Communication Write reports, presentations and documentation in both French & English. Excellent French, good English, basic German, knowledge of Finnish.

Programming Languages & Styles Experienced C, Java, SQL ; Practices C++, Unix-Shell/AWK, Javascript, Python, Ruby. Object-Oriented and Data-driven styles.

Environments UNIX toolset & APIs ; Emacs, Eclipse, GNU Make ; Distributed applications on J2EE (Weblogic / Websphere) ; Relational databases (SQL/Oracle) ; Soft-realtime audiovisual applications on varied platforms (from consoles to desktop operating systems)

Experience

AceTP project, BNP Paribas, BP2S *Java, J2EE, Weblogic, SQL/Oracle, Swing* 2004 — Today

Securities clearing & settlement back-office platform, deployed worldwide in Germany, Italy, Poland, Hungary, Hong-Kong, Singapore. 100M€, 100-200 people across France & India.

AceTP – Project Manager 2007 – Today

- Manage a team of technical leaders: 5 “gurus” in Paris, 2 in Chennai.
- Lead a team of 4-7 developers in Paris/France, 4-6 developers in Chennai/India. The team is responsible for controlling and releasing clearing instructions to settlement centers, credit risk controls, automated securities lending & borrowing and cash&securities position updates.
- Shortened investigation times (from a few days to a few minutes) and reduced defect counts of the “simulation” module.
- Organized the production support (24/5) for about 20 members of the custody team.

AceTP / IRYS – Analyst, Project Manager 2009

We responded to a “call for offers” for building a global risk consolidation system.

- Gathered detailed requirements and wrote a proposal based on AceTP.
- Estimated cost (1000md) and scheduled developments into AceTP’s release cycle.
- Managed development both locally and offshore. Training.
- Reported to our internal clients and participated in the project cycle meetings.

AceTP – Developer

Java, J2EE/Weblogic, SQL/Oracle, Junit, Swing, Hibernate

2004 – 2010

- Developed new features, their evolutions & automated non-regression testing.
- Analysed impact and cost of change requests.
- Liaised with users in Frankfurt, Milan, Paris. Gathered requirements and wrote proposals and functional specifications.
- Proposed and developed performance improvements to a critical part of the Custody module. To reduce contention and control concurrency, a work queue was introduced.

Covered areas:

- Security positions: intraday & forecasts.
- Credit risk: cash and risk positions with valuation of securities. Blocking control of individual transactions (security/cash clearing, cross-border transactions)
- Local clearing: provisioning algorithm of securities clearing instructions
- Corporate actions: client eligibility, notifications (SWIFT:MT564/MT566) and response handling (buy/sell orders, client instructions).

Software engineer, Projipe

Java, Struts, Javamail, JSP, J2EE, CICS Adapters, HTML, XML/XLST, Websphere, BroadVision, Tomcat

2002 – 2006

On-site contracting for large companies in the Paris region.

BP2S, Financial Services AceTP, see above. (24 months)

BNP Paribas, Certificate Authority Designed & Developed an email notification module with XLST templates and handling of automatic delivery failures. (6 months)

Euler Hermes, Web Portal Designed & Developed the authentication and user-registration module. (3 months)

Air France, Flight Planning Developed a web-based UI for COBOL services. (3 months)

France Telecom e-Business, Rights Collection Specified, Designed and Developed the registration database for rights-holders of movie & performance arts works. (7 months)

Software Designer at IOBOX, Online mobile services

Java/J2EE/EJB, XSLT, Weblogic, Oracle, PHP

2000 – 2001

A startup based in Helsinki/Finland with about 200 team members across offices in U.K., Finland, Sweden, Germany. It got acquired for 230M€ by Terra Mobile/Terra/Telefonica in 2000.

- Designed, implemented and maintained the user registration and authentication. (Web/Wap/SMS)
- Ported a HTML based Wap/WML emulator from PHP to Java
- Evaluated the performance of an anti-viral proxy for mobile devices
- Investigated & developed prototypes for product ideas
- Trained Terra Mobile staff in Madrid on our framework & code.

Short Experiences

C, HTTP/CGI, Motif, Excel, PHP, Java/J2EE

1997–2000

Traineeship and summer jobs.

NOKIA Networks Last year traineeship in Finland, where I developed a forum integrated into a xDSL networks management solution. Maintained a SNMP network device discovery tool. Evaluated the performance of an EAI product. *Java, Weblogic, Oracle, SNMP*

Serianet/Startup Developed in *PHP* on top of the HORDE software suite, for a hardware / software groupware package

Renault/Automobile industry Ported a mechanical diagram scanning application from Motif/C to a Web service based interface.

Crédit Lyonnais/Banking wrote Excel sheets for monthly and yearly reporting of regional cash provisioning, receptionist, check delivery and archiving.

Personal Projects

Coaching

2010 – Today

I enjoy teaching software development. My approach is based on face to face, practical experiments.

- During a six month period, coached and mentored an engineer graduate, now contracting in the insurance industry. *Java,JSF2.0,Glassfish*
- Taught a complete novice how to build simple audiovisual programs. *C,SDL,Windows&Gameboy Advance*

Live performances

2008 – Today

Live music & visuals. I build “visual instruments”, programs that react to various interactions (monome devices, gamepads) and produce realtime graphics. Platforms used: *OSX, PlayStation 2, NEC PC-Engine*

- Live music with Windy Hill Mill at Invisible Dog art gallery in New York (2011) (*Monome, MLRV*)
- Live visuals with Windy Hill Mill at GaG in Paris (2010)
- Live visuals online for Frank Bolero (2010)
- Live visuals for Demovibes in Marseilles (2008)

Realtime audio/video

1995 – Today

- Generative pieces / demos, some as small as 64kB. (*OpenGL, C, C++ MAX/MSP/jMax/PD*)
- Audio & MIDI plugins. Variable delay and dynamic processing units. (*VST/AudioUnit, C/C++*)

Scene.org, www.scene.org

PHP, AWK, Shell, Linux, MySQL

1997 – 2010

The leading archive for demoscene works and an innovator in 1997, when it started hosting netlabel music.

- Publicly Represented the organisation in events such as the FMX festival in Stuttgart (FMX'05). Interviews for de:bug, scene, page magazine.
- Reviewed music applications, deciding who would be accepted in the archive.
- Developed internal management tools, such as the internal database scanning software.
- Corrected issues with the web site.
- Managed projects & recruiting.
- Scene.org awards: 2002 - jury member, 2003 et 2004: chairman

Noerror, www.noerror.org

1996 – 2010

- Co-editor & lead developer of the first news site dedicated to netlabels / creative-commons licensed music.