**Senior Developer / Software Manager**

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| **Vincent FIACK**5 chemin du Koepfel67700 SAVERNE, FRANCE+33 6.41.93.05.28 vfiack@gmail.com38 years old, married, one child | **Skills summary**

| Management: Operating Systems:Programming:Web technologies:Databases:Tools:Languages: | Small teams, SCRUM, Kanban, …Linux, Windows, µC/OS IIJava, C, Python, JavaScript...HTML, CSS, React, XML, JSON, ...MySQL, SQLite, Oracle, LDAP, ...Git, Subversion, Maven, Jenkins, ...French (native), English (fluent) |
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| **GE Healthcare: Senior Developer** | **2019 - 2020** |
| Contributions to a dose tracking solution* Maintenance and improvement of the data ingestion platform
* PACS (imaging server) indexing tool development
* Code review, quality improvements, in a SCRUM based team

*Backend: Java, J2EE, Spring Boot, JMS, DICOM, MySQL, MariaDB**Frontend: React, TypeScript* |  |
| **RS²D: Software Manager** | **2016 - 2019** |
| **Software team management (also helped organize software development in other teams)*** Setup and training for versioning, continuous integration, ticket tracking and quality management tools
* Drafting the (ISO 9001) software quality process, setup and monitoring of key indicators, …
* Established development methods, selected features, objectives and priorities

*Tools: Git, Jenkins, Sonarqube, Kanboard* |  |
| Maintenance and improvement of the software suite (Imaging, spectroscopy, internal development tools)* Code base clean-up, in terms of quality, maintainability and performance
* Internal architecture, homogenization, simplification and deduplication
* Data acquisition, storage, visualization
* Signal processing (contours, peak detection, integrals analysis, …)
* Sequence and plugin development API
* Graphical user interface and user experience improvements

*Technologies: Java, Swing, SQLite, JAXB, Javassist (byte code manipulation), JGit* |  |
| Embedded development on MRI and NMR systems (spectrometer and ancillary elements)* Interfacing FPGA and “client” software
* Hardware control, monitoring, networking

*Technologies: C, Python, µC/OSII, embedded Linux, Arduino, Raspberry* |  |
| **CRIH Alsace (Strasbourg Hospital): Information System Architecture / Software Engineering** | **2002 - 2016** |
| Development and implementation of ECG dematerialization* DICOM ECG Viewer
* Worklist server interfaced with multiple data sources
* Related DICOM tools: query/retrieve to WADO proxy, filtering store proxy, ...

*Technologies: Java, Swing, DICOM, Dcm4che, ORM HL7, HAPI* | 2013 - 2015 |
| Intranet portal redesign and modernization* Homogenization of the “technical” and the information websites
* Single entry point to start all applications
* Citrix ICA and Citrix RADE integration
* Mobile version

*Technologies: Java, JSP (Tomcat), Citrix* | 2007 - 2015 |
| Design and implementation of an authentication server* Authentication by password or token (single-sign on)
* Password update management and replication to multiple “slave” systems
* Two-factor authentication with a personal code card
* High availability: no service interruption, more than 20,000 authentications per day

*Technologies: Java, Hibernate, Jetty, JSON, Web Services (XFire), HAProxy* | 2008 – 2012 |
| Development of a “shared workstation” on thin clients* Smartcard authentication with LDAP directory integration
* Session sharing with roaming
* Applications deployed on Citrix server farms
* Adaptation of the whole system to standard PC

*Technologies: C, smartcard & PCSC, Linux* | 2006 – 2009 |
| Creation of a collaborative portal application* Document management, workflow management, ...
* Development of reusable Zope/CPS modules

*Technologies: Web, Python, Zope, Nuxeo CPS (collaborative portal server)* | 2004 – 2005 |
| Development of a Mantis to Java/JSP converter* Transpiler converting displays to JSP and programs to Java classes

*Technologies: Java, Applets, JSP, HTML, CSS, JavaScript, SQL (Oracle)* | 2003 |
| **Coélis: Developer** | **2001** |
| Development of a meta-search engine for patents*Technologies: HTTP, Python, MySQL, PHP*  |  |

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| **Personal projects and opensource contributions** |
| **Blocks Language: Lead developer**Design of a visual programming language for the Java platform* Drag-and-drop of functional blocks
* Usable from javax.script API (JSR 223)

*Technologies: Java (Swing, Xstream, JSR 223, ...)**Tools: Maven, Mercurial, Flyspray, IntelliJ IDEA, ...* | **2007** |
| **Lucane Groupware: Maintainer, architect, lead developer****Nominated for the 2005 “trophées du libre”, more than 50.000 downloads**Full development of an open source groupware* Central platform on which the applications are built
* Peer-to-peer, “object-oriented” network protocol
* Synchronous and real-time applications: instant messaging, file sharing, forum, calendar, task list, personal notes, shared drawing, mail client, RSS reader, voice chat, ...
* Swing and Web user interfaces
* Public relations, project management, documentation, seminars...

*Technologies: Java (network, Swing, JSP, i18n, serialization), databases (HSQLdb, Mysql, Postgres, LDAP), web**Tools: Maven, Subversion, CVS, various bug trackers, Eclipse, IntelliJ IDEA...* | **2002 - 2006** |
| **Other contributions*** QixBall: arcade game for Android (2018)
* Xemelios: authentication modularization, architecture advices (2006)
* TinyMCE: plugin development, bug fixes (2005)
* Nuxeo CPS: Contributor, quota management and authentication modules (2004-2005)
* Ruby: Sharp Zaurus port (2002)
 | **2002 - 2019** |

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| **Education** |
| 2001-2002: *Licence professionnelle* “Designer/developper in distributed environments”, IUT Illkirch Mostly equivalent to a B. Sc in Computer Science. |  |
| 1999-2001: IUT Informatique, Illkirch Equivalent to an Associate’s degree in Computer Science. |  |
| 1996-1999: Lycée André Maurois, Bischwiller High school graduation. |  |

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| **Miscellaneous** |
| French: native speakerEnglish: fluent, 910 points on the TOEIC test in 2002.Hobbies: Reading, music (cello, guitar), go, sport (cycling). |  |