**Senior Developer / Software Manager**

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| **Vincent FIACK**  5 chemin du Koepfel  67700 SAVERNE, FRANCE  +33 6.41.93.05.28   vfiack@gmail.com  38 years old, married, one child | **Skills summary**   | Management:  Operating Systems:  Programming:  Web technologies:  Databases:  Tools:  Languages: | Small teams, SCRUM, Kanban, …  Linux, Windows, µC/OS II  Java, 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 speaker  English: fluent, 910 points on the TOEIC test in 2002.  Hobbies: Reading, music (cello, guitar), go, sport (cycling). |  |