



Java Software Healer

Freelance IT consultant specialized in Java projects reworking and stabilization

Contact

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Education

- 2008 → 2-year degree in computing
University of Lille – “IUT A”
- 2006 → A-Level High School Diploma
Hyères (south of France)

Hobbies

- Reading books
Psychology books
Science books
- Video games
Banishers: Ghosts of New Eden
(horror with interpersonal concerns)
Project Zero, The Medium
- YouTube
Dog videos
Popularization videos

Languages

- English
Basic spoken level, eager to practice
Comfortable in writing
- French native speaker

Mobility

City of Brussels
Lille area
London – visa application required
Paris
Remote work in Europe

Consultant experience

- Since 2023 Clivia bleu (freelance)
Taking advantage of my experience, I chose to target existing Java projects. I want to offer another way than rewrite-&-switch, to start with things as they stand, especially with complex/critical legacies having issues.
- 2014-2023 Clivia bleu (freelance)
Project guidance throughout technical steps involving varied skills and versatility. I proved my ability to develop contextual expertise based on the needs.
Role examples: DBA / Performance leader / Tech lead
- 2010-2014 Ubik Ingénierie
Developer and Lead developer of Java builds, including redesigns/rewrites with legacy analysis, from requirements and architecture to deployment
Highlight: profiling and performance optimization
- 2008-2010 Gfi Informatique (Inetum)
Implementation of Java banking/telecoms projects, mostly in back-office service centers, from intern/developer to application manager

Teacher experience

- 2015-2019 ULCO University – “EIL” (Calais)
Teaching architecture basics and SOA to 4th-year university students in groups of 23 to 53 learners
Scope: syllabus definition, lecture and practical work
- 2013-2017 University of Lille – “IUT A”
Teaching simple data structures to 2nd-year university students in small groups (18-27 learners)

Volunteering

- 2017-2021 Association Droit au Vélo
Bicycle promotion
- 2017-2019 Association Les Jantes du Nord
Bicycle workshop
- 2002-2016 Association Trustonme
GNU/Linux and open source software promotion

Consultant work history

2024-05 – 2024-09	Business rules reverse documentation of a service provision program → Reverse engineering of the legacy – static code analysis Identification of the data used in the business rules and this data origins								
Reverse engineer									
Lille area									
“Adeo Home Services” – “AHS”	<table border="1"> <tbody> <tr> <td>Bottom-up analysis</td> <td>Java Spring Kafka</td> </tr> <tr> <td>Inductive reasoning</td> <td>Confluence</td> </tr> <tr> <td>Summarization ability</td> <td>PlantUML</td> </tr> </tbody> </table>	Bottom-up analysis	Java Spring Kafka	Inductive reasoning	Confluence	Summarization ability	PlantUML		
Bottom-up analysis	Java Spring Kafka								
Inductive reasoning	Confluence								
Summarization ability	PlantUML								
	<i>Adeo ◦ Clivia bleu</i>								
2023-05 – 2023-07	Development of a medical prescription software Performance benchmarking between 2 DBMS: MySQL vs SQLite								
Paris area									
“Roger” / “Vidal Prescription”	<table border="1"> <tbody> <tr> <td>Pair and Mob programming</td> <td>Angular TypeScript</td> </tr> <tr> <td>Scrum / Agile</td> <td>Docker Gatling Jenkins</td> </tr> <tr> <td>Test First (TDD/TFD)</td> <td>FHIR HL7</td> </tr> </tbody> </table>	Pair and Mob programming	Angular TypeScript	Scrum / Agile	Docker Gatling Jenkins	Test First (TDD/TFD)	FHIR HL7		
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Scrum / Agile	Docker Gatling Jenkins								
Test First (TDD/TFD)	FHIR HL7								
	<i>Vidal ◦ Clivia bleu</i>								
2022-01 – 2022-12	DB administration and migration, from PostgreSQL 9 to PostgreSQL 15 Deployment of a PostgreSQL fail-over cluster (active/passive) Micro-services migration and technical access rights review (-30 μ-s.) Performance and memory optimization of some Java micro-services								
Database administrator – DBA									
Brussels									
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Hexagonal architecture + DDD	Portainer GoCD Traefik								
Self-organized	SAP Java Connector (SAP 97)								
	<i>Childhood sector ◦ Clivia bleu</i>								
2020-02 – 2021-07	Reworking of a transactional mailing and SMSing middleware Stabilization, load testing, optimization (>x10) and hardware redefinition Target applicative architecture design								
Performance leader									
Product owner									
Lille area									
“Broadcasting” / “iCheck”	<table border="1"> <tbody> <tr> <td>In depth analysis</td> <td>Java 8 Artemis Camel Spring</td> </tr> <tr> <td>In place reworking (bottom-up)</td> <td>JMeter ELK Grafana VisualVM</td> </tr> <tr> <td>Separation of concerns (SoC)</td> <td>PostgreSQL Amazon AWS Rancher</td> </tr> <tr> <td>Server monitoring and sizing</td> <td>Salesforce Marketing Cloud</td> </tr> </tbody> </table>	In depth analysis	Java 8 Artemis Camel Spring	In place reworking (bottom-up)	JMeter ELK Grafana VisualVM	Separation of concerns (SoC)	PostgreSQL Amazon AWS Rancher	Server monitoring and sizing	Salesforce Marketing Cloud
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Server monitoring and sizing	Salesforce Marketing Cloud								
	<i>Decathlon ◦ Clivia bleu</i>								
2019-01 – 2020-01	Leading a PSP payment portal development team (5 persons) Technical on-boarding of the business partners								
Teach lead									
Brussels									
“Web merchant”	<table border="1"> <tbody> <tr> <td>Event sourcing</td> <td>Java Spring VAVR</td> </tr> <tr> <td>Hexagonal architecture</td> <td>Kafka Kong NGINX</td> </tr> <tr> <td>Influence (technical -)</td> <td>Ansible CI/CD Docker Gerrit</td> </tr> <tr> <td>Long term vision</td> <td>Itsme CICS / GOAL</td> </tr> </tbody> </table>	Event sourcing	Java Spring VAVR	Hexagonal architecture	Kafka Kong NGINX	Influence (technical -)	Ansible CI/CD Docker Gerrit	Long term vision	Itsme CICS / GOAL
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	<i>Buy Way ◦ Clivia bleu</i>								

2018-07 – 2019-01	Design and PoC of an HR data merge algorithm with historicization
Lille area	Autonomy
“Adeo People Repository” – “APR”	DevOps
	Kanban / Agile
	Docker Java PostgreSQL Spring
	Google Cloud Platform (GCP)
	Google Kubernetes Engine (GKE)
	<i>Adeo ◦ Clivia bleu</i>
2016-06 – 2018-01	Development of the digital signatures flows of a monolith
Release manager	Release management of the whole <u>monolith</u>
Brussels	Rounding issues fix in amortization schedules
“Phenix” (my 2 nd one)	Code review
	Communication
	Conscientious
	Pair programming
	Java EJB Vaadin
	WildFly Glassfish NGINX
	CICS / GOAL
	Zetes CI/CD Gerrit
	<i>Buy Way & Fimaser (Carrefour Finance) ◦ Clivia bleu</i>
2015-12 – 2016-05	Leading the developers of a financial commitment capacity rating program (10-15 persons for 2,5 tech leads)
Tech lead	
Lille & Paris	Commitment
“FibRE” – “Refonte FIBEN”	Leadership
	V-model development process
	AngularJS
	Java EJB JBoss
	DB2 JPA
	<i>Banque de France / Eurosystem ◦ Sopra Steria ◦ Clivia bleu</i>
2015-07 – 2015-10	Development of a vehicle maintenance management back-end
Lille area	→ Reverse engineering of the legacy
“Carnet d’entretien digital” – “CED”	Memory optimization: fix of random out-of-memory errors
	Heap dump analysis
	Offline memory profiling
	Java Cassandra Docker Spring
	JVisualVM & YourKit Java Profiler
	<i>Automobile sector ◦ Clivia bleu</i>
2014-12 – 2015-05	Rewriting of an accounting tool – from Cobol & PowerBuilder to Java
Lille & Paris	→ Reverse engineering of the legacy, with the help of its maintainer
“Opale”	Scheduling of the development tasks within the team (3 persons)
	Task estimation
	UML modeling
	V-model development process
	AngularJS Java WebSphere
	CICS DB2 Oracle
	Rational Software Architect/Modeler
	<i>BNP Paribas ◦ GFI (Inetum) Service Center ◦ Clivia bleu</i>
2014-03 – 2014-06	Development & Optimization of customer data migration jobs
Lille area	Problem solving
“Dossier client”	Self-reliant
	Java Spring PostgreSQL
	JVisualVM
	<i>Adeo ◦ Ubik Ingénierie</i>

2013-11 – 2014-03	Improvement of a supplier quality assessment application
Lille area	Collaboration with users Teamwork
“Qualité Suivi Fournisseur” – “QSF”	Java Spring PostgreSQL JBoss jXLS POI <i>Adeo ◦ Ubik Ingénierie</i>
2013-07 – 2013-11	Design & Development of a Java centralized user account manager
Lille area	Conscientious Leadership
“Brique d’authentification”	Java Spring PostgreSQL JBoss JPA RedHat Linux REST <i>Adeo ◦ Ubik Ingénierie</i>
2013-03 – 2013-07	Design & Development of the Java synchronization algorithms of a mobile multi-origin and offline commercial document reader
Lille area	Creative thinking Rubber duck debugging Teamwork
“MobiDoc” & “RefUser”	Java Spring Hibernate Amazon S3 SQL Server ActionScript Flex Flash <i>Anios ◦ Ubik Ingénierie</i>
2012-11 – 2013-04	Design & Development of a drive-through terminal software with a credit card machine, a check reader and receipt printer
Lille area	Eager to learn Flexibility Self-reliant
“Bornes drives”	Java Spring PostgreSQL ESII eTrack Atos / Ingenico payment terminals VIPS check reader <i>Leroy Merlin France ◦ Ubik Ingénierie</i>
2012-11 + 2012-12	(Re)Packaging of the new WebSphere MQ message broker version
Software integrator	Deployment automation, for all the stores, with DSM & Yum (RPM)
Lille area	Adaptability Forethought Problem solving
“Migration WebSphere MQ”	Bash RPM Yum RedHat Linux DSM PowerShell Windows Server MQSeries / WebSphere MQ 6 & 7 <i>Decathlon ◦ Ubik Ingénierie</i>
2012-09 – 2012-12	Rewriting of a pricing web-service – from C to Java
Lille area	→ Reverse engineering of the legacy
“Brique de cotation”	Critical thinking Inductive reasoning Workshop preparation
	Java Spring PostgreSQL JBoss JPA Hibernate Jenkins Maven Bash RPM <i>Adeo ◦ Ubik Ingénierie</i>

2011-01 – 2012-09 **Incremental redesign** of an e-commerce website
 Lead developer
 Lille area
 “LMFRv3”

Commitment	Java Spring PostgreSQL
Leadership	JBoss GWT Hibernate SOAP
Involved & production aware	VMware ESX vMotion vSphere
Professional writing	Sinequa Intuition SolR

Leroy Merlin France ◦ Ubik Ingénierie

2010-06 – 2010-12 **Integration** of an XSL store software with custom changes
 Software integrator
 Lille area
 “Phenix” (my first one)

Communication	Generix GCE Oracle PL/SQL XSLT
Educational skills	Maven Bash Hudson RPM
Procedure writing	WinMerge RedHat Linux

Adeo ◦ Ubik Ingénierie

2008-07 + 2008-08 & 2009-01 – 2010-06 **Development** of a Java framework for the retail banking
 Support and Training of the developers over 4 service centers
 Scheduling of the tasks within the team (6 persons)
 Application manager
 Lille, Paris, Brussels & Luxembourg
 “Vioto”

Communication	Java 5 Struts 1 SweetDev RIA
Educational skills	WebSphere
Industrialization	Maven Hudson Archiva
Project management	CICS / GOAL

BNP Paribas / Fortis / BGL ◦ GFI (Inetum)

2008-09 – 2008-12 **Development** of an order-for-payment management software
 Lille
 “Administration électronique de la justice” – “AEJ”

Continuous integration (CI)	Java JSP Tomcat MySQL
Deadline-driven project	Hibernate LDAP XML
Model-driven architecture (MDA)	Continuum Maven CheckStyle JUnit

Minister of Justice ◦ Caisse des Dépôts ◦ GFI (Inetum) Service Center

2008-03 – 2008-06 **Maintenance** of an antenna operation tracking system
 (Internship)
 Lille
 “Vie du Réseau” – “VDR”

Adaptability	PHP/MySQL
Teamwork	HTML/CSS JavaScript AJAX
Testing / QA	CMMi SVN

Orange ◦ GFI (Inetum) Service Center