



Java Software Healer

Freelance IT consultant specialized in Java projects reworking and stabilization

Contact

Rémy Delerue
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Hobbies

- Learn, study & experiment
- Play video games
Banishers: Ghosts of New Eden,
[horror with interpersonal concerns](#)
Tomb Raider (exploration)

Languages

- English
Basic spoken level
Comfortable in writing
- French native speaker

Mobility

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

Volunteering

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

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 with flexibility. 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)

Education

- 2008 → 2-year degree in computing
University of Lille — “IUT A”
- 2006 → A-Level High School Diploma
Hyères (French Riviera)

Consultant work history

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

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

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

2011-01 – 2012-09	Incremental redesign of an e-commerce website								
Lead developer	Leading the search engine redesign (500 man-days, up to 6 people)								
Lille area	Performance optimization, with applicative and system improvements								
“LMFRv3”	<table> <tr> <td>Commitment</td><td>Java Spring PostgreSQL</td></tr> <tr> <td>Leadership</td><td>JBoss GWT Hibernate SOAP</td></tr> <tr> <td>Involved & production aware</td><td>VMware ESX vMotion vSphere</td></tr> <tr> <td>Professional writing</td><td>Sinequa Intuition SolR</td></tr> </table>	Commitment	Java Spring PostgreSQL	Leadership	JBoss GWT Hibernate SOAP	Involved & production aware	VMware ESX vMotion vSphere	Professional writing	Sinequa Intuition SolR
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	<i>Leroy Merlin France ° Ubik Ingénierie</i>								
2010-06 – 2010-12	Integration of an XSL store software with custom changes								
Software integrator	Server & Release management: merges → packaging → documentation → deployment → communication								
Lille area									
“Phenix” (my first one)	<table> <tr> <td>Communication</td><td>Generix GCE Oracle PL/SQL XSLT</td></tr> <tr> <td><u>Educational skills</u></td><td>Maven Bash Hudson RPM</td></tr> <tr> <td>Procedure writing</td><td>WinMerge RedHat Linux</td></tr> </table>	Communication	Generix GCE Oracle PL/SQL XSLT	<u>Educational skills</u>	Maven Bash Hudson RPM	Procedure writing	WinMerge RedHat Linux		
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	<i>Adeo ° Ubik Ingénierie</i>								
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								
Application manager	Scheduling of the tasks within the team (6 people)								
Lille, Paris, Brussels & Luxembourg									
“Vioto”	<table> <tr> <td>Communication</td><td>Java 5 Struts 1 SweetDev RIA</td></tr> <tr> <td>Educational skills</td><td>WebSphere</td></tr> <tr> <td>Industrialization</td><td>Maven Hudson Archiva</td></tr> <tr> <td>Project management</td><td>CICS / GOAL</td></tr> </table>	Communication	Java 5 Struts 1 SweetDev RIA	Educational skills	WebSphere	Industrialization	Maven Hudson Archiva	Project management	CICS / GOAL
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2008-09 – 2008-12	Development of an order-for-payment management software								
Java developer									
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“Administration électronique de la justice” – “AEJ”	<i>Minister of Justice ° Caisse des Dépôts ° GFI (Inetum) Service Center</i>								
2008-03 – 2008-06	Maintenance of an antenna operation tracking system								
Intern developer									
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“Vie du Réseau” – “VDR”	<i>Orange ° GFI (Inetum) Service Center</i>								