

## Dino Fancellu: Felstar Ltd

**Email Address** [dino@felstar.com](mailto:dino@felstar.com) **Nationality** British  
**Status** Married

**Testimonials** <https://felstar.com/#about-me>  
**Github** <https://github.com/fancellu>

### SKILLS SUMMARY

**Business** Derivatives, Risk, E-Commerce, FX, SWIFT, Settlement Systems, Data Feeds, FpML, Integration, Publishing  
**Design** UML, Relational Databases, Object Oriented Design, Software QA, TDD, BDD, Functional Programming, ETL, EAI/EIP  
**Client** HTML5, AJAX, jQuery, JavaScript, React, D3, SVG, Scala.js, Vue.js, Quasar, ScalaFX, Unity, Flutter/Dart  
**Server** Play, Scalatest, JNDI, Spring, MapReduce, NoSQL, Akka, Actors, SBT, Cats, Monix, Zio, Spark, Finagle, Node.js  
**Message** XML/XSLT XPath, XQuery, JAXB, SOAP, JMS, Spring-WS, Spring Integration, MQ, Sockets, Netty, RDF, Spray, Akka HTTP, Finch, STTP, http4s  
**Languages** Scala, Java, XSLT, XQuery, C#, Python  
**Database** PostgreSQL, SQL Server, Oracle, PL/SQL, MarkLogic, Neo4j, Elasticsearch, MySQL, JDBC, Slick, Doobie, Quill, flywaydb  
**O/S** Linux, Microsoft Windows, Docker, AWS

### PROJECTS

#### Publications/Talks

[XML Processing in Scala: paper for XML London](#)

[Extended XQuery for SOA: for xml.com](#)

#### Open Source

[scalajs-vue \(109 stars\)](#)

[xqs \(35 stars\)](#)

[jmsScala \(19 stars\)](#)

[Scala Contractors UK Linkedin Group Administrator \(600+ members\)](#)

### WORK SUMMARY

Director	Felstar Ltd (Own Ltd Company)	Jan 2000 – Present
Scala Developer	ClearScore	Sept 2021 – Mar 2022
Scala Developer	HMRC/Capgemini	July 2021 – Sept 2021
Scala Developer	HMRC/Capgemini	Oct 2020 – March 2021
Scala Developer	talenthouse.com	Aug 2020 – Oct 2020
Scala Developer	Guardian News Media	Feb 2019 – April 2019
Scala Developer	Atos/HMRC	May 2017 – Dec 2018
Scala Developer	Atos/HMRC	Aug 2016 – Oct 2016
Scala Developer	On Track Retail	Feb 2016 – May 2016
Senior Scala Dev	CAXIS	Mar 2015 – July 2015
Scala Lead Dev	Inkflash	Oct 2014 – Mar 2015
Java Engineer	HSBC Global banking and Markets	May 2014 – Oct 2014
Scala Engineer	Barclays Corporate	Aug 2013 – Jan 2014
XSLT Developer	TSO	Apr 2013 – July 2013
Integration Dev	Standard Bank	May 2011 – Sep 2012
Java Developer	HSBC Global banking and Markets	Jun 2010 – Sep 2010
eCommerce STP	Unicredit Bank	Mar 2010 – May 2010
XQuery Developer	JPMorgan Chase	Aug 2009 – Mar 2010
Java XML Developer	Reuters PLC and Thomson Reuters PLC	Jan 2008 – Nov 2008

<b>EMPLOYER POSITION</b>	<b>FELSTAR LTD CONSULTANT / DIRECTOR</b>	<b>Jan 2000 – Present</b>
<b>CLIENT BUSINESS</b>	<b>ClearScore Credit Scores, Loans, Credit Cards, Car Finance</b>	<b>Sept 2021 – Mar 2022</b>
<b>TECHNOLOGY</b>	<b>Scala, Cats, Cats Effect, Akka Http, http4s, tapir, sttp, circe, Enumeratum, Swagger, AWS, Microservices, Redis, Postgres, Grafana, Loki, SignalFX</b>	
<b>CLIENT BUSINESS</b>	<b>HMRC/Capgemini Identity Verification team (Government Gateway), same as below</b>	<b>July 2021 – Sept 2021</b>
<b>TECHNOLOGY</b>	<b>Same as below</b>	
<b>CLIENT BUSINESS</b>	<b>HMRC/Capgemini Identity Verification team (Government Gateway)</b>	<b>Oct 2020 – March 2021</b>
<b>TECHNOLOGY</b>	<b>Scala, Play, Cats, Mockito, Microservices (20+), DevOps, MongoDB, Google Analytics, Splunk, Kibana, Grafana</b>	
<b>CLIENT BUSINESS</b>	<b>talenthouse.com Launch of talentclub.house GDPR/COPPA site for young creatives</b>	<b>Aug 2020 – Oct 2020</b>
<b>TECHNOLOGY</b>	<b>Scala, Play, Akka Actors, Slick, Postgres, Javascript, SuperAwesome, KWS</b>	
<b>CLIENT BUSINESS</b>	<b>Guardian News Media GDPR compliance automation, SAR and RER requests to 20+ systems</b>	<b>Feb 2019 – April 2019</b>
<b>TECHNOLOGY</b>	<b>Scala, Play 2.7, Akka Actors, ScalaTest, Slick, Enumeratum, AWS (Lambda, RDS, API Gateway, S3, Athena, Parameter Store), Postgres, Google Drive, Mockito, Javascript, Vue2, Quasar</b>	
<b>CLIENT BUSINESS TECHNOLOGY</b>	<b>Atos/HMRC Working on <u>Help To Save</u> for HMRC Scala, Play Framework, ScalaTest, Mockito, HTML 5, GDS, Java, Fuse, Junit, JAXB, openhtmltopdf Code reviews, new features, bug fixes, porting to Play 2.5.x</b>	<b>May 2017 – Dec 2018</b>
<b>CLIENT BUSINESS TECHNOLOGY</b>	<b>Atos/HMRC Working on Tax Free Childcare for HMRC <a href="https://childcare-support.tax.service.gov.uk/">https://childcare-support.tax.service.gov.uk/</a> Scala, Play Framework, Guice, Spray, ScalaTest, Mockito, HTML 5, Jenkins, GDS Code reviews, Bug fixing, Major refactoring, SBT improvements, porting entire front end to Play 2.5.x</b>	<b>Aug 2016 – Oct 2016</b>
<b>CLIENT BUSINESS TECHNOLOGY</b>	<b>On Track Retail Working in the train ticketing space. <a href="https://www.ontrackretail.co.uk/">https://www.ontrackretail.co.uk/</a> Scala, MySQL, Slick, scalaxb, Spray, Akka Actors, Akka-Http, Kanban, npm, handlebars/mustache, Kamon, grafana, statsd, graphite, Docker, Vagrant, Datadog, ScalaTest, RabbitMQ, Akka Streams, Mockito, AWS</b>	<b>Feb 2016 – May 2016</b>
<b>CLIENT BUSINESS</b>	<b>CAXIS Working in the OOH advertising space creating a proof of concept for a new platform.</b>	<b>Mar 2015 – July 2015</b>

<b>TECHNOLOGY</b>	<b>Scala, Vaadin/Scaladin, HTML 5, Slick, POI, MariaDB, CSS, Sass, Leaflet, Javascript</b>
<b>CLIENT</b>	<b>Inkflash</b> <b>Oct 2014 – Mar 2015</b>
<b>BUSINESS</b>	Working on a 3D book store, sitting on top of Amazon data <a href="https://www.youtube.com/watch?v=Y2rloTfJgAA">https://www.youtube.com/watch?v=Y2rloTfJgAA</a>
<b>TECHNOLOGY</b>	<b>Scala, Scalatra, Scaladin/Vaadin, HTML 5, ScalaTest, Akka Actors, Neo4j</b> graph database, <b>Play Framework</b>
<b>CLIENT</b>	<b>HSBC (Via Oracle Consulting)</b> <b>May 2014 – Oct 2014</b>
<b>BUSINESS</b>	<u>EMIR Delegated Reporting</u> for Data Services Layer (DSL).
<b>TECHNOLOGY</b>	<b>XSLT, Java 7, Spring, Spring STS, Saxon, Drools, Maven, JUnit, RTC Jazz, jsoup, FpML 5.x, XSD, ElasticSearch, Logstash, Kibana</b>
<b>CLIENT</b>	<b>Barclays Corporate</b> <b>Aug 2013 – Jan 2014</b>
<b>BUSINESS</b>	Working on a strategic mobile payment platform: Pingit for corporates
<b>TECHNOLOGY</b>	<b>Java 7, Scala, Spring MVC, REST, Vaadin, Scaladin, Scalatra, Scalate, Akka Actors, Spray, HttpClient, Gatling Stress Tool, ScalaTest, BDD, Git, 2-way SSL, JCE/JSSE, Tomcat 7, Jetty, Maven, WAS</b>
<b>CLIENT</b>	<b>TSO</b> <b>Apr 2013 – July 2013</b>
<b>BUSINESS</b>	Working on the Gazettes project to unify the existing Government Gazettes websites into one cohesive whole. Working on the <b>HTML5</b> UI in <b>XSLT 2.0</b> . <b>XSLT</b> Transforms under <b>Marklogic</b> . Also wrote <b>XForms</b> engine. Lots of mentoring and assistance to <b>Java</b> team <a href="https://www.thegazette.co.uk/">https://www.thegazette.co.uk/</a>
<b>TECHNOLOGY</b>	<b>Java 7, Spring MVC, REST, XPath, Marklogic 6, XQuery 3.0, Saxon, XSLT, Tomcat 7, XForms, HTML 5, RDF/RDFa, SPARQL. SVN, Maven</b>
<b>CLIENT</b>	<b>Standard Bank</b> <b>May 2011 – Sep 2012</b>
<b>BUSINESS</b>	Enterprise Messaging Migration tasks for the real-time <b>Trade Bus</b> . Changing the on the wire <b>FpML</b> format for 60+ instruments, without breaking downstream Translated existing <b>Python</b> codebase into Java, for a pure Java solution.
<b>TECHNOLOGY</b>	<b>Java 7, XPath, Hudson/Jenkins CI, Marklogic 6, XQuery 3.0, Saxon, XSLT, Joda Time, Python, Apache Commons, JUnit, log4j, JMX, WebServices, C#, XSOM, XSD, Apache CXF, TestNG, SVN, Esper, Spring Integration, Camel, FpML 4.x</b>
<b>CLIENT</b>	<b>HSBC Global banking and Markets</b> <b>Jun 2010 – Sep 2010</b>
<b>BUSINESS</b>	Migrating various manual/ <b>Excel</b> based procedures into an <b>Ajax</b> web UI. Areas included were Readership, Entitlements, Authorisation, Analyst lookup, Broker Votes and Global Tiered Access.
<b>TECHNOLOGY</b>	<b>Java, Tomcat, WebSphere, SQL Server, Transact-SQL, XSLT, Ajax/jQuery/jqGrid, JavaScript, HTML, Apache POI for reading XLS</b>
<b>CLIENT</b>	<b>Unicredit Bank</b> <b>Mar 2010 – May 2010</b>
<b>BUSINESS</b>	<b>FX/FXO</b> front office.
<b>TECHNOLOGY</b>	<b>Java 1.5/1.6, Sybase, SQL Server, Saxon XQuery/XSLT, XSD, RET, Murex, Kondor+, IBM Websphere MQ, JNDI/LDAP</b>
<b>CLIENT</b>	<b>JPMorgan Chase</b> <b>Aug 2009 – Mar 2010</b>
<b>BUSINESS</b>	Developing the complex <b>XQuery</b> transforms needed to map the existing derivative trade message formats to the new canonical message format. The Operational Data Store ( <b>ODS</b> ) is a facility to create, revise, access and manage shared business data in a secure, in a stable and consistent

manner.

**TECHNOLOGY** **Java 1.6 and Saxon-EE XQuery/XSLT, XSD 1.0/1.1, Sybase 15 ASE, Marklogic 4.x, XCC, XSOM, Oracle 11g, eXist-DB 1.4, mockito, Scrum, Hudson CI, SVN, FpML**

**CLIENT** **Reuters/Thomson Reuters** **Jan 2008 – Nov 2008**

**BUSINESS** I was responsible for importing **Thomson** feed data, before and after the merger.

I imported Thomson **ILX, ECF, GEM/SDI, RCM** data from multi gigabyte **XML** files into **Oracle**, in order to be integrated with the **Reuters NDA**

**TECHNOLOGY** **Java 1.6 and JAXB 2.x, Spring, Hibernate, XSD, Oracle 10g, EasyMock, Apache Derby, Solaris, KSH, Perl, Python, ExtJS**

**CLIENT** **Fitch Ratings PLC / ValuSpread** **Oct 2006 – Nov 2007**

**BUSINESS** **RAPCD: Risk Analytics Platform for Credit Derivatives** for the **synthetic CDO** market.

**TECHNOLOGY** **Java 1.5 and XSLT 2.0** via **Saxon8-sa**, **XML REST web services** and web pages via **Oracle XSQL, Oracle 10g, XSLT/XQuery Javascript, JSP, AJAX/Prototype/Scriptaculous, Spring-WS, Excel 2003 XML Maps, Excel VBA, XSD, SOAP, ActiveMQ, JMS, Saxon custom functions, Schematron, PL/SQL optimization, C**