

Dino Fancellu: Felstar Ltd

Email Address 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, FIX
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	Open Source
XML Processing in Scala: paper for XML London	scalajs-vue (111 stars)
Extended XQuery for SOA: for xml.com	http4s-circe-example (12 stars)
	zio-restful-webservice (47 Stars)

WORK SUMMARY

Director	Felstar Ltd (Own Ltd Company)	Jan 2000 – Present
Senior Scala Dev	Brevan Howard/Coremont	Jan 2023 – April 2023
Scala Developer	ClearScore	Sep 2021 – Mar 2022
Senior Scala Dev	HMRC/Capgemini	July 2021 – Sep 2021
Senior Scala Dev	HMRC/Capgemini	Oct 2020 – Mar 2021
Scala Developer	talenthouse.com	Aug 2020 – Oct 2020
Scala Developer	Guardian News Media	Feb 2019 – Apr 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
XSLT Developer	Fitch Ratings PLC / ValuSpread	Oct 2006 – Nov 2007

EMPLOYER POSITION	FELSTAR LTD CONSULTANT / DIRECTOR	Jan 2000 – Present
CLIENT BUSINESS	Brevan Howard/Coremont Hedge Fund, Front Office Technology, Risk Analytics, Portfolio Management	Jan 2023 – April 2023
TECHNOLOGY	Scala, Cats, Cats Effect, FS2, Spring Boot, SQL Server, FIX, Java, QuickFIX/J, Docker, Graylog	
CLIENT BUSINESS	ClearScore Credit Scores, Loans, Credit Cards, Car Finance	Sept 2021 – Mar 2022
TECHNOLOGY	Scala, Cats, Cats Effect, Akka Http, http4s, tapir, sttp, circe, Enumeratum, Swagger, AWS, Microservices, Redis, Postgres, Grafana, Loki, SignalFX	
CLIENT BUSINESS	HMRC/Capgemini Identity Verification team (Government Gateway), same as below	July 2021 – Sept 2021
TECHNOLOGY	Same as below	
CLIENT BUSINESS	HMRC/Capgemini Identity Verification team (Government Gateway)	Oct 2020 – March 2021
TECHNOLOGY	Scala, Play, Cats, Mockito, Microservices (20+), DevOps, MongoDB, Google Analytics, Splunk, Kibana, Grafana	
CLIENT BUSINESS	talenthouse.com Launch of talentclub.house	Aug 2020 – Oct 2020
TECHNOLOGY	GDPR/COPPA site for young creatives	
TECHNOLOGY	Scala, Play, Akka Actors, Slick, Postgres, Javascript, SuperAwesome, KWS	
CLIENT BUSINESS	Guardian News Media GDPR compliance automation, SAR and RER requests to 20+ systems	Feb 2019 – April 2019
TECHNOLOGY	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	
CLIENT BUSINESS TECHNOLOGY	Atos/HMRC Working on Help To Save for HMRC	May 2017 – Dec 2018
TECHNOLOGY	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	
CLIENT BUSINESS	Atos/HMRC Working on Tax Free Childcare for HMRC https://childcare-support.tax.service.gov.uk/	Aug 2016 – Oct 2016
TECHNOLOGY	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	
CLIENT BUSINESS	On Track Retail Working in the train ticketing space. https://www.ontrackretail.co.uk/	Feb 2016 – May 2016
TECHNOLOGY	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

CLIENT	CAXIS	Mar 2015 – July 2015
BUSINESS	Working in the OOH advertising space creating a proof of concept for a new platform.	
TECHNOLOGY	Scala, Vaadin/Scaladin, HTML 5, Slick, POI, MariaDB, CSS, Sass, Leaflet, Javascript	
CLIENT	Inkflash	Oct 2014 – Mar 2015
BUSINESS	Working on a 3D book store, sitting on top of Amazon data https://www.youtube.com/watch?v=Y2rloTfJgAA	
TECHNOLOGY	Scala, Scalatra, Scaladin/Vaadin, HTML 5, ScalaTest, Akka Actors, Neo4j graph database, Play Framework	
CLIENT	HSBC (Via Oracle Consulting)	May 2014 – Oct 2014
BUSINESS	<u>EMIR Delegated Reporting</u> for Data Services Layer (DSL).	
TECHNOLOGY	XSLT, Java 7, Spring, Spring STS, Saxon, Drools, Maven, JUnit, RTC Jazz, jsoup, FpML 5.x, XSD, ElasticSearch, Logstash, Kibana	
CLIENT	Barclays Corporate	Aug 2013 – Jan 2014
BUSINESS	Working on a strategic mobile payment platform: Pingit for corporates	
TECHNOLOGY	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	
CLIENT	TSO	Apr 2013 – July 2013
BUSINESS	Working on the Gazettes project to unify the existing Government Gazettes websites into one cohesive whole. Working on the HTML5 UI in XSLT 2.0 . XSLT Transforms under Marklogic . Also wrote XForms engine. Lots of mentoring and assistance to Java team https://www.thegazette.co.uk/	
TECHNOLOGY	Java 7, Spring MVC, REST, XPath, Marklogic 6, XQuery 3.0, Saxon, XSLT, Tomcat 7, XForms, HTML 5, RDF/RDFa, SPARQL. SVN, Maven	
CLIENT	Standard Bank	May 2011 – Sep 2012
BUSINESS	Enterprise Messaging Migration tasks for the real-time Trade Bus . Changing the on the wire FpML format for 60+ instruments, without breaking downstream Translated existing Python codebase into Java, for a pure Java solution.	
TECHNOLOGY	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	
CLIENT	HSBC Global banking and Markets	Jun 2010 – Sep 2010
BUSINESS	Migrating various manual/ Excel based procedures into an Ajax web UI. Areas included were Readership, Entitlements, Authorisation, Analyst lookup, Broker Votes and Global Tiered Access.	
TECHNOLOGY	Java, Tomcat, WebSphere, SQL Server, Transact-SQL, XSLT, Ajax/jQuery/jqGrid, JavaScript, HTML, Apache POI for reading XLS	
CLIENT	Unicredit Bank	Mar 2010 – May 2010
BUSINESS	FX/FXO front office.	
TECHNOLOGY	Java 1.5/1.6, Sybase, SQL Server, Saxon XQuery/XSLT, XSD, RET,	

Murex, Kondor+, IBM Websphere MQ, JNDI/LDAP

CLIENT	JPMorgan Chase	Aug 2009 – Mar 2010
BUSINESS	Developing the complex XQuery transforms needed to map the existing derivative trade message formats to the new canonical message format. The Operational Data Store (ODS) 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	