Dino Fancellu: Felstar Ltd

Email	dino@felstar.com	**Nationality**	British
Address	Epsom, Surrey	**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, Front Office
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, Chrome Extensions
Server	Play, Scalatest, JNDI, Spring, NoSQL, Akka, Actors, SBT, Cats, Monix, Zio, Spark, Finagle, Node.js, Jupyter
Message	XML/XSLT XPath, XQuery, JAXB, SOAP, JMS, MQ, Sockets, Netty, RDF, Akka HTTP, Finch, STTP, http4s, QuickFIX/J
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)

http4s-circe-example (11 stars)

zio-restful-webservice (57 Stars)

WORK SUMMARY

Director	**Felstar Ltd (Own Ltd Company)**	**Jan 2000 – Present**
Senior Scala Dev	Brevan Howard/Coremont	Sep 2023 – Feb 2024
Senior Scala Dev	Brevan Howard/Coremont	Jan 2023 – April 2023
Senior Scala Dev	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/Python Dev	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/XSLT 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	FELSTAR LTD	Jan 2000 – Present
POSITION	CONSULTANT / DIRECTOR	

CLIENT	Brevan Howard/Coremont	Jan 2023 – April
		Sept – Feb 2024
BUSINESS	Electronic Trading, Hedge Fund, Front Office Technology, Risk Analytics, Portfolio Management, Clarion, GLMX, WebIce	
TECHNOLOGY	Scala, Cats, Cats Effect, FS2, Spring Boot, SQL Server, FIX, Java, QuickFIX/J, Docker, Grafana, Graylog, Excel	

CLIENT	ClearScore	Sept 2021 – Mar 2022
BUSINESS	Credit Scores, Loans, Credit Cards, Car Finance	
TECHNOLOGY	Scala, Cats, Cats Effect, Java, Akka Http, http4s, tapir, sttp, circe, Enumeratum, Swagger, AWS, Microservices, Redis, Postgres, Grafana, Loki, SignalFX, Python, TypeScript	

CLIENT	HMRC/Capgemini	July 2021 – Sept 2021
BUSINESS	Identity Verification team (Government Gateway), same as below	
TECHNOLOGY	Same as below	

CLIENT	HMRC/Capgemini	Oct 2020 – March 2021
BUSINESS	Identity Verification team (Government Gateway)	
TECHNOLOGY	Scala, Play, Cats, Mockito, Microservices (20+), DevOps, MongoDB, Google Analytics, Splunk, Kibana, Grafana, Python	

CLIENT	talenthouse.com	Aug 2020 – Oct 2020
BUSINESS	Launch of talentclub.house GDPR/COPPA site for young creatives	
TECHNOLOGY	Scala, Play, Akka Actors, Slick, Postgres, Javascript, SuperAwesome, KWS	

CLIENT	Guardian News Media	Feb 2019 – April 2019
BUSINESS	GDPR compliance automation, SAR and RER requests to 20+ systems, converting Python codebase to Scala	
TECHNOLOGY	Scala, Play 2.7, Python, boto3, Akka Actors, ScalaTest, Slick, Enumeratum, AWS (Lambda, RDS, API Gateway, S3, Athena, Parameter Store), Postgres, Google Drive, Mockito, Javascript, Vue2, Quasar	

CLIENT	Atos/HMRC	May 2017 – Dec 2018
BUSINESS	Working on Help To Save for HMRC	
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	Atos/HMRC	Aug 2016 – Oct 2016
BUSINESS	Working on Tax Free Childcare for HMRC https://childcare-support.tax.service.gov.uk/	
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	On Track Retail	Feb 2016 – May 2016
BUSINESS	Working in the train ticketing space. **https://www.ontrackretail.co.uk/**	
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=Y2rIoTfJgAA	
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	EMIR Delegated Reporting for Data Services Layer (DSL).	
TECHNOLOGY	**XSLT, Java 7, Spring, Spring STS, Saxon, Drools, Maven, JUnit, 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**