

current location: Zurich, Switzerland
position: Senior Software Engineer

Summary

With experience in both open source and consumer products, and several years of functional programming, I am looking for the next engaging project on which to apply my abilities.
I can work remote, or relocate, as needed.

Education

Master degree in Computer Sciences

2001 - ESSI (now Polytech'Nice Sophia).

Bachelor degree, Mathematics and Computer Sciences applied to Sciences

1998 - Université de Bourgogne.

Professional Experience

Digital Asset - Senior Software Engineer, Project Lead

Zurich, Switzerland. September 2020 - February 2024.

Enterprise deployment and performance platform

Tooling and support for the deployment of Daml Enterprise on Kubernetes.

Tooling for performance measurement of Daml Enterprise.

Technologies: Kubernetes, Helm, Scala, Haskell, TypeScript, GCE, AWS, Azure.

Typesafe (now Ligthbend) - Senior Software Engineer

Remote teams, from Lausanne, Switzerland. September 2011 - April 2020.

FastData projects 2015-2020

Various projects around FastData (streaming and processing Big Data), to support the integration of the main products of the ecosystem.

The learnings lead to the creation of Cloudflow.

Technologies: Spark, Flink, Akka Streams, DC/OS, OpenShift, Kafka, Kubernetes, AWS, GCE, Scala, Java.

Scala IDE 2011-2014

Development of Scala IDE, the support for Scala development inside Eclipse.

Technologies: Eclipse, Scala, Java, Scala Presentation Compiler, JDI.

TomTom - Senior Software Engineer, Tech Lead

Amsterdam, Netherlands. June 2007 - June 2011.

Over-the-air data distribution platform

Creation and extension of the over-the-air platform used to send live data (traffic, weather, ...) to TomTom GPS devices all over the world.

Requirements of high availability, low bandwidth and ease of adding new services and regions.

Technologies: Java, SOA, AOP, J2EE, Tomcat, Spring.

Genuitec - Software Engineer

Remote, from Dijon, France. Mars 2006 - May 2007.

MyEclipse IDE

Support of an UML tool inside MyEclipse IDE.

Integration of NetBeans WYSIWYG editor for Swing in MyEclipse IDE.

Technologies: Java, Eclipse, SWT, Swing, code generation.

OTI, then IBM - Staff Software Engineer

Minneapolis, MN and Portland, OR. January 2002 - July 2005.

Eclipse project, Debugger team

Development of the Eclipse debugger platform, and of the Eclipse Java debugger.

Implementation of expression evaluation in a debugging context.

Implementation of support for JSR-45.

Technologies: Java, Eclipse, JDI, OSGI, Junit.

Open Source Experience

Eclipse - team member. (2002-2005)

Scala IDE - team member. (2011-2016)

Apache Spark - contribution to "Dynamic Rate Limiter" and "Dynamic Allocation".

Small contributions to Scala and Akka Streams.

Small contributions to Daml

Community Experience

Talks at conferences and user groups, including Spark Summit and Scala Days. (1, 2)

Community support for Open Source projects, main experience with Scala IDE and Cloudflow.

Miscellaneous

Languages: French, native. English, fluent.

Some notions: German, Dutch, Japanese.

Links

<https://github.com/skyluc>

<https://www.linkedin.com/in/lucbourlier/>

1 - <https://youtu.be/DonFPAPGR24?t=900>

2 - <https://youtu.be/oqWDeC1zmQw>