We can focus on the code, Gluon takes care of the rest

Many companies are facing major challenges with their IT infrastructure. The term 'digitization' covers a variety of services, products, and services where customers and employees expect suppliers to deliver a secure and reliable software solution.

When developing cross-platform applications for mobile devices, it is very important to ensure that the interface is exactly the same, that the software and hardware functionalities remain intact, and that a full integration with existing company backends is guaranteed.

Gluon, a Belgium-based software company and leading JavaFX authority, offers companies smarter solutions that enable this, all the while reducing costs of development and time of development. The example of the Swiss cnlab Group illustrates the possibilities with Gluon software.

cnlab – Internet Performance, Software development and IT Security

cnlab is a Swiss group of three IT engineering companies. cnlab Software AG, as part of this group, supports customers with full stack software development and consulting in the areas of performance monitoring, load and performance testing.

Daniel Zimmermann works as a project engineer at cnlab; his experience is based on several successful software projects. Zimmermann is a full stack developer with expertise in Java, Kotlin, and Dart programming. His projects involve either mobile or desktop frontends with Flutter (Dart) or JavaFX (Kotlin/Java), as well as backend development using Spring Boot with Kotlin/Java. Daniel is a self-proclaimed JavaFX fanboy. He shares his experiences with Gluon in the following interview..

What software products does cnlab offer ?

For our development work, cnlab uses a broad spectrum of modern languages and frameworks. cnlab's performance monitoring enables customers to track the

availability of their services and provides proof that SLA's are being fulfilled. Load & Performance tests help cnlab's customers to correctly define the application load and to match it with the appropriate infrastructure.

Who are cnlab's customers ?

cnlab's customers include Avaloq, F.J. Aschwanden AG, Inventx, LEGIC Identsystems AG, St.Galler Kantonalbank, Swisscom AG, …

Gluon Mobile – Rapid development of device independent Mobile Apps

What are the projects you are currently working on that involve Gluon?

At the moment it's two mobile applications. One for the University of St.Gallen, another one for the Monastery of Disentis, both in Switzerland. In the near future we may also need support for one of our own desktop applications.

Advantages of the JavaFX Long Term Support (LTS)

Primarily we are using Gluon's JavaFX Long Term Support (LTS) and Gluon's expert consulting in JavaFX. Furthermore, we use Gluon Attach and Substrate in our projects.
The LTS subscription service provides cnlab with premium support straight from the core contributors including (security) updates, hotfixes and upgrades.
It ensures not only stability and continuity; it makes it all that much easier and more effective.

Direct communication with the Gluon core Team

Expert consulting gave us the instant knowledge for the migration of applications to new frameworks, like GraalVM and Gluon Substrate for mobile app development. Gluon also provided assistance in other areas, such as the more traditional app bundling with Java tools like Java 14's new jpackager. The Gluon team also helped us solve Performance issues with an app, fix bugs in the (old) framework, and improve our code in general.

Work more efficiently with Gluon

How would you rate your experience with Gluon?

We only have had positive experiences with Gluon. Communication with Gluon is fast and easy. Having direct access to the core team has proven to be a big advantage.

The developers can focus on the app, while Gluon takes care of difficult set-up or migration tasks or even fixing bugs in either the framework or in our code base. Receiving top range support is priceless.

We have a daily return on investment for the Gluon consulting services. The expertise enabled us to quickly improve the applications, avoiding wasting time in fields that are either hard to get by (app building) or almost impossible (bug fixing within the framework). The JavaFX 11 Long Term Support ensures stability and continuity for cnlab and its customers

Thank you for the interview

Conclusion

Gluon Services makes the work of developers more efficient and faster.

- Reduction of annoying, time-consuming, and inefficient activities such as bug solving allows development teams to focus on their critical development tasks.

- Write Once, Run Anywhere : Gluon Mobile allows you to program once and run on all Mobile devices

- The guaranteed Java backward compatibility (macOS, Linux, Windows) for Mobile devices (IOS, Android) is guaranteed by Gluon Mobile.

Gluon provides a compelling price/performance return for many use cases.

The Gluon advantages at a glance

- ✦ A complete suite of tools fit to serve many varied purposes
- ✦ High Quality, engineering focused
- ✦ Fully supported
- ✦ Complete service

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