

# Java Rich Client with ExtJS

*headwire.com, Inc*

*Ruben Reusser, CTO*

*ruben@headwire.com*

The background of the slide features a series of smooth, flowing, and overlapping lines in shades of red and pink. These lines create a sense of motion and depth, starting from the bottom and curving upwards and outwards towards the right side of the frame. The lines vary in opacity and thickness, giving the overall effect a dynamic and modern feel.

# Topics

- **Who am I?**
- **Why a Java Rich App with ExtJS**
- **A Browser based Web Application**
- **A Desktop Application**
- **Code that can be shared**
- **Hybrid approach**
- **Example of building the Hybrid App**
- **Possible future**
- **Questions**

# Who am I?

**Ruben Reusser, CTO headwire.com, Inc**

**headwire is a firm targeting cms based websites and cms based applications.**

**We offer solutions that combine a WCM and customer specific applications into one platform.**

**We treat the view of an application as content and allow our customers to manage them through a content management system.**

**We target Java and JCR based systems.**

# Why?

## **Why a Java Rich Client App with ExtJS?**

- develop for the web and the desktop the same**
- provide a good offline and online experience**
- write less code (really less code)**
- employees can reuse their skills better**

# Browser Web App?

**Browser is the client (View)**

**Server is the App (Model/Controller)**

**JavaScript in Browser used to to updates**

# Desktop App?

**One Application that controls Model/View/Controller**

**Updates are done in place, access to all layers**

**May have a database backend**

# Shared Code?

**If we have to develop a stand alone application and a web app with the same features we can not reuse the view**

**Reuse of backend (for example database layer, business layer possible)**

**May not be easy since browser application is stateless. Developing the web app first may be beneficial**

# Hybrid Approach?

**What if we make the desktop app a browser application?**

**Most of the code can be reused**

**Developers only need to rewrite desktop app specific code**

# Example?

**Java**  
**DJProject (or MozSwing)**  
**ExtJS (or EXTGWT/Vaadin/\*)**

**Let's build an app!**

# Future?

- **Could be a language add on feature**
- **Replaces potentially Adobe Air and Gears**
- **Would be great to have a protocol implementation, no need for an open port between client and server in the desktop version**
- **Cross Compile approach to ObjectiveC (XMLVM)**

# Real Example?

» **Show app**

# Where can I get this?

Pretty soon on <http://ruben42.wordpress.com>

**Questions?**