

# Lars Kappert

Freelance Front-end Architect / Senior Developer

lars@webpro.nl

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## Summary

Lars Kappert is a front-end solution architect / lead developer. He brings 15 years of experience, and specializes in architecture, solutions, performance, tooling, and development of web sites and applications. Core web technologies include HTML5, JavaScript, Node.js, and CSS.

Always interested in exciting & challenging projects (not permanent employment). WebPro is his one-man company settled near Utrecht, The Netherlands.

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## Experience

### **Freelance Frontend Developer at RTL Nederland**

September 2015 - Present (10 months)

Pushing videoland.com to the next level.

### **Freelance Frontend Developer at Schiphol**

July 2015 - August 2015 (2 months)

Pilot application for internal event processing of flights, passengers and luggage flows. Built from scratch using React, Redux, Webpack; written in ES6.

### **Freelance Front-end Developer at Mirabeau**

May 2015 - June 2015 (2 months)

Architecture and development in a joint effort of YourSocial and Mirabeau for an upcoming Singapore Airlines media campaign.

### **Freelance Front-end Architect at ticketscript**

December 2014 - March 2015 (4 months)

Define and design the front-end architecture for TicketScript's B2C and B2B web applications. Start development of a styleguide, towards responsive and fast websites and applications.

### **Freelance Front-end Lead at Albelli**

June 2014 - November 2014 (6 months)

Lead in migration to Git, to modern build and test tooling, and modularizing large applications into reusable components. Assist in building the core responsive HTML5 applications.

### **Freelance Front-end Developer at Minus3**

May 2014 - June 2014 (2 months)

Development of a cool app for Nike. Mostly data visualization, using Backbone, Highcharts, CoffeeScript.

### **Freelance Web Architect at Spil Games**

February 2014 - May 2014 (4 months)

Design of the Spil Games' HTML5 Game/GamePlayer API (JavaScript architecture & implementation).

### **Freelance Front-end Architect at Rabobank**

January 2013 - December 2013 (1 year)

Defined and designed the front-end architecture for Rabobank's landscape of websites and mobile web applications within their "Visie 2016" roadmap. Together with stakeholders like back-end (CMS, services), design (Concept, UX) and other architects, a robust and modern foundation has been laid out to further continue the design and development of responsive and fast websites and applications. Additional keywords include tooling, automation, workflow, and documentation.

### **Freelance Architect & UI Engineer at Medicore**

April 2012 - January 2013 (10 months)

Preliminary to building a proof of concept, I wrote technical requirements, did front-end solution research, and created a solid architecture for a new GUI for the Medicore web-based software application.

Architecturing & implementing a new GUI framework for the Medicore web-based software application.

Building on top of the latest and greatest technology stack (Backbone, jQuery, Lo-dash, RequireJS, Node.js, responsive design, mobile first) to make sure it works fast, and everywhere.

### **Freelance Front-end Developer at SURFnet**

April 2012 - April 2012 (1 month)

Joined the scrum team for one 3 week sprint, and did a full re-implementation of the front-end. By means of a brand new styleguide, using Twitter Bootstrap as foundation, and some custom JavaScript, the front-end is now more structured and extensible.

### **Freelance Front-end Developer at NoProtocol**

March 2012 - March 2012 (1 month)

With NoProtocol for NOISE. Within three weeks time, I implemented the front-end for this adaptive/responsive website: <http://appsinthe.nl> works on desktop browsers (even IE7), mobile devices, and integrated in both an iOS and Android app.

It progressively enhances the experience by using e.g. CSS 3D animations if the browser supports it.

### **Freelance Performance Engineer at SPIL GAMES**

October 2011 - January 2012 (4 months)

The work involved front-end architecture and consultancy, performance monitoring and analysis, writing and automating test scripts, and best practices advocacy. Ultimately to shave off all bytes and milliseconds to maximize perceived performance, improving the user experience.

### **Freelance Senior Front-End Engineer at SPIL GAMES**

April 2011 - October 2011 (7 months)

Providing a broad range of skills in our scrum team to improve the games portal/applications on Hyves and Facebook: software design, code refactorings, performance tuning, and of course building new features.

### **Freelance Senior Front-End Engineer at Stichting Bibliotheek.nl**

December 2010 - April 2011 (5 months)

Providing consultancy to the front-end team in the fields of QA, performance and architecture.

Bibliotheek.nl will be releasing a common whitelabel portal to be used by any library in the Netherlands, and is based in The Hague.

### **Freelance Senior Front-End Engineer at Adternity**

August 2010 - October 2010 (3 months)

Amplifying the two-man team with front and backend skills. Injecting (and implementing) knowledge regarding performance and release management. Development of new features based on customer input in a bi-weekly release schedule.

The specific application is a backend based on the Symfony framework (PHP) with Propel (ORM) to manage advertisements, advertisers, publishers, conversions, etcetera in a rich Ajax application (grids, modals, etc.).

Adternity GmbH is an Online Marketing Solutions company based in Duisburg, Germany.

### **Senior Technical Consultant at Backbase**

May 2007 - August 2010 (3 years 4 months)

For just over three years I was working for Backbase. It has a very innovative and dynamic environment and is one of the key players in Rich Internet Applications. It evolved from a client-side framework to complete solutions for maximizing online customer experience. Lots of nationalities, lots of talents packed in one Amsterdam office. Within Backbase I could further improve my web development skills, while especially in the areas of communication and (technical) leadership I noticed I am able to deliver more than the average developer (e.g. coaching, training, pre-sales/proof-of-concepts, team lead).

Besides more abstract skills just outlined, I focused mostly on all aspects of RIA, UX, integration and performance tweaking using Javascript, HTML, CSS, XML and XSL. Usually based on progressive enhancement and supported by the Backbase Client Framework 4 and the Rich Portal 4.

Clients included: KPN, Ziggo, Philips, Absa, Bank of America

### **Owner at WebPro Internetdiensten**

February 2001 - June 2010 (9 years 5 months)

Early this millennium I started my own company, comprising of a webdesign and a webhosting unit. The latter, although successful in some ways, has been terminated end of 2009. Delivering hosting services is simply not my passion.

The "webdesign" unit derived its title from some vague term people usually associated with "building websites". I am not specialized in creating visual design for the web, yet more in translating these visuals into a website or application that works and interacts with people.

In August 2010 I started as a full-time freelancer with a new, internationalized brand and more specialized services.

### **Client-side & Server-side programmer at eFocus**

August 2005 - May 2007 (1 year 10 months)

For almost two years, eFocus was a great company for me to start developing my skills in a more professional environment. I quickly moved to larger projects and bigger teams, while finding my way between perfectionism and pragmatism.

Clients included: Wegener, Ernst & Young, Eén Vandaag, Erasmus University Rotterdam

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## Projects

### **Senses (POC)**

January 2013 to December 2014

Members:Lars Kappert, Daniël Ramlakhan, Merijn van Weelden, Jeroen de Lange, Randy Daal, Ramin Mohammadi, Johannes Timmerman, Mark Poelstra, Marc van den Dobbelsteen, Justus Romijn

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## Publications

### **ECMAScript 6 (ES6): What's New In The Next Version Of JavaScript**

Smashing Magazine October 28, 2015

Authors: Lars Kappert

You've probably heard about ECMAScript 6 (or ES6) already. It's the next version of JavaScript, and it has some great new features. [...] In this article, we'll discuss a hand-picked selection of ES6 features that you can use in your everyday JavaScript coding.

### **Building Responsive Web Applications**

Smashing Magazine June 12, 2013

Authors: Lars Kappert

Responsive Web Design is still the go-to approach for websites and applications that need to look and feel well across devices. In this mid-2013 article I extend the concept from regular websites to heavy client-side applications, since this is both a huge opportunity and a big challenge.

### **Client-Side Templating**

Smashing Magazine December 5, 2012

Authors: Lars Kappert

Using templates in the browser is becoming more and more widespread. Moving application logic from the server to the client, and the increasing usage of MVC-like patterns (model–view–controller) inspired templates to embrace the browser.

### **Progressive Enhancement 101: Overview and Best Practices**

Six Revisions February 11, 2011

Authors: Lars Kappert

Put simply, progressive enhancement is the technique of building websites with strong foundations so that it's accessible to the wide range of browsing situations — from mobile devices and netbooks, to desktops and screen-readers.

### **Introduction to HTML5 Web Storage**

Six Revisions August 15, 2011

Authors: Lars Kappert

Web Storage is a new HTML5 API offering important benefits over traditional cookies. Although the specification is still in W3C draft status, all major browsers support it already.

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## Skills & Expertise

**jQuery**

**HTML 5**

**JavaScript**

**CSS**

**AJAX**

**HTML**

**Scrum**

**Architecture**

**Web Applications**

**CSS3**

**XML**

**Subversion**

**Front-end**

**User Interface**

**Design Patterns**

**Node.js**

**Git**

**RIA**

**JSON**

**Ant**

**User Experience**  
**MVC**  
**Performance Engineering**  
**Unit Testing**  
**Selenium**  
**Mobile Devices**  
**Web Standards**  
**OOP**  
**Mobile**  
**Backbone.js**  
**SVG**  
**Open Source**  
**DOM Scripting**  
**DOM**  
**Test Automation**  
**Build Automation**  
**Software Quality Assurance**  
**JavaScript Libraries**  
**Code Review**  
**Performance Tuning**  
**Architectures**  
**Web Development**  
**Software Design**  
**HTML5**

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## Languages

**English**

(Full professional proficiency)

**Dutch**

(Native or bilingual proficiency)

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## Certifications

**PHP: Zend Certified Engineer**

Zend License ZEND003427

**MySQL Certified Professional**

MySQL AB

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## Education

Bachelor, Information and Communication Technology, 2001 - 2005

**University of Groningen**

propaedeutics, Economics, 1999 - 2001

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## 14 people have recommended Lars

"Lars is a great colleague to work with. He has a lot of knowledge of front-end architectures / development and takes the time to share his knowledge. He also brings humor to the work floor, while working with Lars, I learned a lot about task automation, (eg grunt/gulp). I would definitely recommend him."

— **Danillo Felixdaal**, *Frontend Engineer, RTL Nederland*, worked directly with Lars at RTL Nederland

"Lars is a very knowledgeable developer. He helped us to take the architecture and infrastructure of our HTML/JS applications to the next level. Lars has analyzed our situation thoroughly, given advice on how to improve and helped to implement the improvements. "

— **Maurits de Boer**, *Application Development Manager, Albumprinter*, managed Lars at Albelli

"I worked with Lars at Spilgames, and he's easily the most professional Javascript developer I've encountered. He has a thorough understanding of the intricacies of the language, and can help you re-engineer your existing code-bases. You can rely on the code he writes, it'll be clear, well-tested, and understandable. He's also a pleasant colleague to work with, so I recommend him wholeheartedly. "

— **Bart van Deenen**, *It Consultant, Spil Games*, worked directly with Lars at Spil Games

"Lars has been of great help in delivering a front-end solution architecture for one of our projects. He has advised and introduced effective methods to develop and maintain the front-end APIs and corresponding code. Lars has delivered good quality of work within agreed timelines. His experience, pragmatic approach and broad knowledge of the different Javascript frameworks and methodologies make him a great sparring partner for architects and developers. It was a pleasure to work with him."

— **Sascha Van Gemmert**, was Lars's client

"Lars is a great guy and a great colleague to work with. He has a lot of knowledge of front-end architecture and developing large scale web applications. He's is always up to date with the latest web technologies and can apply them blindfolded. While working with him I learned a lot from him, especially about architecture."

— **Randy Daal**, worked directly with Lars at Rabobank

"Lars is a knowledgeable IT professional, that filled a position in our Performance Engineering team. He helped further optimize the end-user performance and brought more structure to the team. His front-end knowledge is extensive, especially in regards to CSS/JS. Would definitively hire him again in the future."

— **Ivo Teel**, was Lars's client

"Lars is a very talented front-end specialist. He joined the Performance Engineering team at Spil Games for three months. The first thing I noticed was his skill for analyzing and finding structure within the basis, thinking outside of the box. He brought great value with his reports, documentation and advice after analyzing the front-ends of various sites. Quick learner, professional attitude and pleasant to work with."

— **Laurens van Hees**, worked directly with Lars at SPIL GAMES

"While the team we were hired to support was mired in technical debt, Lars orchestrated a plan to rebuild the javascript of the application part by part, instead of simply staying bogged down in errors. It worked so well, the team managed to win an award with their application in the next year."

— **Martin Reurings**, worked directly with Lars at SPIL GAMES

"Lars has proved himself as an outstanding front-end developer when I was working with him at Stichting Bibliotheek.nl. He has a broad knowledge of web development and is not afraid of giving his opinion during technologic discussion, which is a good thing."

— **Richard Le Loux**, worked directly with Lars at Stichting Bibliotheek.nl

"is een zeer goed geïnformeerde ontwikkelaar die prachtige HTML en Javascript code maakt die volledig voldoet aan webstandaarden"

— **Xander Bindt**, worked directly with Lars at Stichting Bibliotheek.nl

"Lars has expert programming skills in the field of client side technologies, such as (x)html, css, xml, xpath, xslt and last but not least Javascript. Moreover, he is very analytical, focused and has a structured way of working that is required to do an excellent job. I really enjoyed working with Lars."

— **Robin Bakker**, worked directly with Lars at Backbase

"I've worked with Lars on several big projects within the last couple of years in Backbase. Lars is highly skilled professional in many different areas. He has perfect (and rare!) set of skills to manage the projects as well as being perfect front - end developer in the same time. He is always the one who's truly focused on achieving the goal. I've always enjoyed to be a part of his team."

— **Ruslan Matveev**, worked indirectly for Lars at Backbase



"Perfect hosting provider services. Webton likes working with Webpro. Keep u the good work!"

— **Ton Heerze #**, was a consultant or contractor to Lars at WebPro Internetdiensten

"Lars is a very driven colleague, who doesn't go for less than perfect. He has a lot of experience as a web standards developer, both client-side and server-side. Excellent colleague to work with, easy to work together with."

— **Dennis de Grauw**, worked directly with Lars at eFocus

[Contact Lars on LinkedIn](#)