Klemen Slavič

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I am a self-directed and top performing software engineer with over **23 years of experience** building ambitious web applications in *Ad Tech* and *B2B* industries. I am an author of several open source packages and a core maintainer for *Storybook*. I enjoy working with *NodeJS*, *Deno* and browsers to deliver delightful user experiences for users.

I am natively bilingual in *Slovenian* and *English* and can hold conversations in *German*, *Croatian* and *Serbian*.

Core Skills

- Expert knowledge of TypeScript and DOM APIs along with the latest ECMAScript features
- HTTP, networking, cloud infrastructure and VM management including Docker/K8s virtualisation
- Administration and use of MySQL, MSSQL, MongoDB, Redis and CouchDB
- Experience with several agile methodologies and working in globally distributed environments
- Experience with JSX-based libraries like React, Preact, Solid and others
- Rapid prototyping using Storybook and procedurally generated data sources
- Experience with building custom DSLs and compiler plugins for TypeScript
- Excellent communication and presentation skills

Work Experience

Resource Guru

Senior Engineer — 2016 - 2022 (remote; Reading UK, Ljubljana SI)

Resource Guru is a SaaS application for scheduling people and resources with a novel clash management approach. The company is remote-first with a globally distributed development team.

- I rewrote the existing reporting feature to improve report generation responses by over 1,000× and wrote a custom XLSX pivot table generator that produces interactive tables typically in less than a second.
- I led development of the next-gen visual scheduler that customers use to manage their schedules. This resulted in a smooth UX enabling users to smoothly scroll across timelines of tens thousands of thousands of resources on even modest mobile devices.
- I helped rewrite the existing REST API from a Ruby on Rails into a NodeJS/TypeScript codebase. This resulted in worst-case response time improvement of over 1,000× over the previous implementation with improved test coverage, while eliminating database deadlocks that were present in the old API version.
- I evaluated candidates and mentored new hires as part of their onboarding process, drastically improving retention rates and productivity over periods before I got involved.

Celtra

Lead Software Developer — 2011 - 2016 (Ljubljana SI, San Francisco CA)

Celtra is an Ad Tech company. As part of the *Ad Delivery Team* my task was to develop, maintain and debug the rich media experience that powers ad display on various browsers and devices.

- I developed the dashboard interface to replace the previously unstructured application which enabled rapid feature development.
- I worked on the mobile ad runtime (a proprietary JavaScript library) that powered ad display in web browsers and inside native iOS and Android applications through a number of partner SDKs.
- I spent considerable time researching browser internals and graphics glitches in order to produce a set of guidelines for developers. As part of this initiative, I held regular meetings with the teams to share these insights, which helped decrease the number of client-facing bugs by roughly 80%.
- I produced internal training, onboarding material and webcasts to document all aspects of the mobile runtime. Some of this material was subsequently used to assist clients with building their own custom solutions with my assistance.
- In addition to this core development role, I initiated and managed an experimental program that enabled fast iteration of ad format prototypes and produced a number of successful creative formats. This process also enabled us to develop production-ready formats in a matter of days rather than several weeks as was the case in the past.

Kompas Xnet

Trainer and Developer — 2008 - 2011 (Ljubljana SI)

Kompas Xnet is a development and training center and a Microsoft Partner company. I worked there as a trainer for Microsoft and Adobe products and as frontend and desktop UI developer for various projects.

- I taught Microsoft curriculum developer courses to clients and I developed custom courses for Adobe products based on their official training books and materials.
- As a trainer, I also spent time on-site with clients that required training in web and .NET technologies.
- In my role as developer, I was tasked with frontend development for a series of client websites and desktop applications in Silverlight, WPF, and Windows Forms. Most notable was a rewrite and redesign of the website for BTC-City, the largest merchant center in Slovenia.
- I also filled the role of graphical designer and frontend developer for the company's printed products and the website itself.
- I worked closely with Microsoft developer evangelists and MVPs, developing with and presenting cutting-edge preview technology at the time (Azure, Silverlight, WPF, ASP.NET MVC).

Tobonet (Httpool)

Junior Systems Engineer — 2006 - 2008 (Ljubljana SI)

After Tobonet and its ToboAds IP was bought by Httpool in 2007, I rejoined the team to work on their advertising platform, working on the delivery backend, frontend code and the ad management interface.

- I helped develop server-side code that matched ad views with keywords and worked on text feature extraction services. This included applicative research into various statistical and lexical methods known at the time.
- I developed an internal Symfony plugin system that enabled translators to submit their work using inline editing within a running application instance.
- I helped port the code base from PHP4 to PHP5.

Noovo

Frontend Software Consultant — 2008 (Ljubljana SI)

During my time at Httpool, I was called into the sister company Noovo for a couple of months to assist with developing and optimizing their widget framework and load times on their social web application. We achieved that goal by creating a snappier and more responsive experience for users, dropping Time to Interactive from over 15 seconds down to 2 seconds or less.

Oxylus

Lead Developer — 2006 - 2007 (Ljubljana SI)

I developed a software package that helped managed the company's entry into Internet domain registration and management by automating the DNS registration procedure. I also worked on a client project coding and redesigning a website with CMS capability.

Education

Gimnazija Vič

High school, Ljubljana SI

Graduated in top 5% nationally with 28 points. During my time there, I won several science awards for competitive Chemistry, Physics and Mathematics competitions. I wrote two research papers on the topic of manufacturing rare-earth plastomagnetic materials and their physical properties, which both won awards in their respective publishing years. I was on the national debate team representing Slovenia in the *World Schools Debate Championship* in Singapore in 2002.

Faculty of Chemistry and Chemical Technology

University of Ljubljana, Ljubljana SI

I studied Biochemistry, making it through the 3rd year before deciding to drop out. During this time, I was already working full-time on several software development-related projects which made me reconsider devoting any more time to furthering my studies. It still remains one of the most interesting topics personally, but has since fallen out of favour as my primary career choice.