Vladilen Kozin

Clojure, ClojureScript, Racket, Redex, JavaScript, OMeta, meta-programming Fall*13 Recurse Center (aka Hacker School) alum

	Corporate ladder
Since Apr 2017	Programmer at Droit (London, UK) Same as before but with obligatory daily commute.
2015-2017	Programmer/Consultant at Droit (New York, USA - remote)
	Building an expert system for compliant trading. Sneaking Clojure/ClojureScript into unsuspecting financial giants. On any given day I could be designing DSLs, implementing compilers, parsers, rule-based engines, putting together simple browser-based GUIs and whatever else the startup life would have me do.
2014-2015	Programmer at Yindox (Moccov, Russia). Officially a member of Search Interface, Development Infrastructure group, but mostly I writh balcient tools that perform source to source compilation; pares, transform and generate tools. Any given project will investably depend on correcting, perform, activates, utility-jai, escodegen, xipt. II. I'm lucky and do it right frontend developers get to use my work and get all the credit.
2009-2011 2007-2009	Equity Derivatives & Structured Products Sales at Renaissance Capital (Moscow, Russia). EM Structured Solutions and Derivatives Sales at Barclays Capital (London, UK).
	Projects
Racket	Author of ometa-racket, a mostly complete Racket implementation of OMeta - OO pattern- matching language that extends PEGs with ability to handle left-recursive rules and match structured data.
	Author of skish, a mostly futile attempt at porting Olin Shivers' wonderfulsosh to Racket. scsh is a non-interactive Unix shell embedded within Scheme (originally Scheme48).
Clojure	Author of several closed-source products: FpML message parser, financial derivatives classifier based on ISDA taxonomies, legal annotation tools, PDF and XML content extract and transformation tools.
JavaScript	Contributor to seqexp, regular expressions for Clojure sequences. Author of bemhtml-syntax, a syntax converter for BEMHTML - an XSLT inspired templating
	language - part of BEM methodology of frontend development.
	$\label{lem:multiple} \textit{Author} \ \ \text{of} \ \ \text{bemintml-source-convert}, \ \ \text{a} \ \ \text{best} \ \ \text{effort} \ \ \text{compiler} \ \ \text{from} \ \ \text{BEMHTML} \ \ \text{templates} \ \ \text{templates}.$
	Author of xjst-more, an XJST-based compiler for BEMHTML templates that facilitates incremental compilation of templates potentially on the Client. WIP.
	Contributor to ometa-js, a JavaScript implementation of OMeta.
	Contributor to bem-xjst, XJST-based compiler for BEMHTML templates.
	Formal education
2004-2006	Keldysh Institute of Applied Mathematics (Moscow, Russia) PhD track in Applied Mathematics, dropped out
2004	New Economic School (Moscow, Russia) MS in Economics track with full scholarship, dropped out
1999-2004	Lomonosov Moscow State University (Moscow, Russia) MS in Theoretical Mechanics and Applied Mathematics.
	Autodidacticisms
2012	How to Design Programs by Matthias Felleisen et al.
2012	How I was introduced to programming. Assorted solutions to HtDP. Programming Languages, [Certificate]
	Brown University
	How I was introduced to creating PLs. Taught byShriram Krishnamurthi based on his wonderful PLAI text. My solutions - a sequence of interpreters for progressively more complex languages: all the way to OOP, CPS transforms and type checkers.
2014	Hardware/Software Interface, [Certificate 89.6%] University of Washington for Coursera
	How I was introduced to systems programming. Essentially an Introduction to Computer Systems course a stught at Camegie Mellon with the same ocurse-load and text Compute Systems: A Programmer's Perspective by Bryant and O'Hallaron.
2014	Paradigms of Computer Programming 1, [Certificate1 94%] Paradigms of Computer Programming 2, [Certificate2 97%] Université catholique de Louvain for edX
	How I was introduced to concurrency, multi-paradigm programming and delightful paradigms that so far seem to exist only in academic setting. Taught by Peter Van Roy and is based on his classical Concepts, Techniques, and Models of Computer Programming.
2015	Introduction to Probability, [Certificate 94%] MIT for edX
2017	Because it's awesome. Redex for designing operational semantics
	The Racket Summer School of Semantics and Languages in Salt Lake City, Utah.
	While targeted at PL PhDs a bunch of us non-academic types had been admitted. Learnt to create languages quickly and back them up with runnable reduction semantics - what's not to like?
	Languages
	Equally uncomfortable.
Russian, English Clojure Racket JavaScript OMeta	What I get to use for my current projects. Favorite Lisp. Would be my weapon of choice were such choice ever offered. Wrote fair amount, mostly backend compiler stuff with Node js. Extensive experience writing parsers and fairly complex grammars.
	Favorite Lisp. Would be my weapon of choice were such choice ever offered. Wrote fair amount, mostly backend compiler stuff with Node.js.

Most of my activities and interests these days involve boxes with lights and buttors. Even so there were reports of me cycling, bouldering, surfing, roler-skalting, sking and more. Having owned a sports carl'Il choose a becycle every time. Description of the LIK Section of the LIK Section of the LIK Section of the LIK US, Hungary, Spain and far more exotic places. Crossed the US from Mexico to Canada twice with the current state count of 19.

vladilen.kozin@gmail.com • +44 7494979 626 • London, UK pdf version • txt version • doc version • html version