Vladilen Kozin

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

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	Corporate ladder
Apr-Nov 2017	Senior 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. Snesking Gojuns(Script) into unsuspecting financial giants. I on any given day 1 ordout be designing DSLs, implementing compilers, parsers, rule-based engines, putting together simple browser-based GUIs and whatever els the startup (if would have me do.
2014-2015	Programmer at Yandex (Moscow, Russia). Officially a member of Saarch Interfaces Development Infrastructure group, but mostly I wrote backent obside the source oscipation - engines to write your template engines. If were bucky and did it right frontend developers would get to use my work and take all the credit.
2009-2011	Equity Derivatives & Structured Products Sales at Renaissance Capital (Moscow, Russia).
2007-2009	EM Structured Solutions and Derivatives Sales at Barclays Capital (London, UK).
Emacs Lisp	Projects
Emacs Lisp	Author of multi.d - all things multiple dispatch for Emacs Lisp: type driven dispatch with protocols, ad-hor polymorphism with multi-methods, sattern-matching and destructuring without noise with multi-patterns, case-dispatch with multi-defurs, benchmarking with multi- benchmarks.
Racket	Author of prelude that extends Racket with generic associative API, Lua-style meta-tables f prototypal inheritance and more.
	Author of ponzi - the beginnings of a clever Scheme for a discerning smart contract builder. WIP but it does implement the Ethereum Virtual Machine close enough to the Yellow Paper.
	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' wonderfulscal to Racket. scsh is a non-interactive Unix shell embedded within Scheme (originally Scheme48).
	Contributor to Racket the language.
Clojure	Author of several closed-source products: FpML message parser, financial derivatives classifier based on ISDA taxonomies, legal annotation tools, PDF and XML content extractor and transformation tools.
	Author of bot - a crypto-currency arbitrager that could talk to several exchanges including Bitfinex and GDAX. It uses Clojure Spec to parse and validate protocol messages and aleph for async communication and concurrency.
	Author of playrum - just getting the taste for React in ClojureScript.
	Contributor to seqexp, regular expressions for Clojure sequences.
JavaScript	Author of bemintmi-syntax, a syntax converter for BEMHTML - an XSLT inspired templating language - part of BEM methodology of frontend development.
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	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.
2004-2006	Formal education 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.
2018	Autodidacticisms Language-oriented Programming and Language Building
	The Racket Summer School 2018 in Salt Lake City, Utah.
2017	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?
2015	Introduction to Probability, [Certificate 94%] MIT for edX Because it's awesome.
2014	Paradigms of Computer Programming 1, [Sertificates 94%] Paradigms of Computer Programming Z, [Sertificates 97%] Paradigms of Computer Programming Z, [Sertificates 97%] Not less introduced to concurron, underpandigm organization and delightful paradigms that so for seem to exist only in academic setting. Taught by Priet Van Foy and its based on the Castacal Concepts, Tardirities, and Models of Computer Programming.
2014	Hardware/Software Interface, [Certificate 88.6%] University of Washington for Coursers New Wash Introduced to systems programming. Essentially an Introduction to Computer Systems course as Bught at Charegie Mellon with the same course-load and text Compute Systems. A Programmer's Perspective by Systems and Organisms & Perspective by Systems and Organisms.
2012	Programming Languages, Certificate] Brown University New I was introduced to creating PLs. Taught by Shrinam Kininnamurithi based on his wonderful PLA last. My solutions—a sequence of interpreters for progressively more complex languages: at the way to 0.0°C, CPS transforms and type checkers.
2012	How to Design Programs by Matthias Felleisen et al. How I was introduced to programming. Assorted solutions to HtDP.
due July 2019	Public Speaking I will be an invited speaker at RacketCon'19 in Utah
	Languages
Russian, English	Equally uncomfortable.
Clojure	What I get to use on the job. Can't complain.
Racket	Favorite Lisp. Would be my weapon of choice were such choice ever offered.
Emacs Lisp	Unavoidable Lisp for any Emacs user. It is surprisingly fun to code.
JavaScript	Wrote fair amount, mostly backend compiler stuff with Node.js.
OMeta	Extensive experience writing parsers with complex and context dependent grammars.
Redex	Can implement executable semantics for your pet-language or DSL.
Java	Enough to write a Clojure wrapper with necessary bindings.
C Factor, OCaml.	Enough to pass a systems programming class but not nearly enough to actually use it. Toyed with but never used in earnest, located some good ideas from Lua to Racket and
Lua, Rust, Shen	contributed a patch to racer-rust.
	Activities and interests

Most of my achieva and interests these days involve boxes with lights and buttons. Even so there were reports of me cycling, bouldering, surfing, roller-skaling, skiing and more. Having owned a sports car I'll choose a beyter ever yim. Linguisty, Spain and far more exotic places. Crossed the US from Mexico to Canada twice with the current state court of 19.

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