Vladilen Kozin

Clojure(Script), Racket, Emacs Lisp, Redex, JavaScript, OMeta, meta-programming Fall'13 Recurse Center (aka Hacker School) alum UK Ter I Exceptional Telepti visa hariter

Apr-Nov 2017	Corporate ladder Senior Programmer at Droit (London, UK)
чы-том 2017	Senior Programmer at Droit (London, UK) Same as before but with obligatory daily commute.
2015-2017	Programmer/Consultant at Droll (remote and New York, USA) Building an expert system for compliant trading. Sneaking Coloure(Script) into unsuspecting financial giants. No any yolver day I could be designing DSLs, implementing compilers, passers, Inde-based engines, putting logether simple browser-based GUIs and whatever els the startspile would have me do.
2014-2015	Programmer at Yandox (Moscow, Russia). Officially a member of Search Interfaces Development Infrastructure group, but mostly I wrote backend tools for source to source compilation - 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). Projects
Emacs Lisp	Author of multi.el - all things multiple dispatch for Emacs Lisp: type driven dispatch with protocols, ad-hoc polymorphism with multi-methods, pattern-matching and destructuring without noise with multi-patterns, case-dispatch with multi-defuns, benchmarking with multi- benchmarks.
Racket	Author of tilds an opinionated threading macro with self-documenting hole-markers, clause level keyword options and an implicit escape continuation.
	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' wonderfulscish to Racket. scsh is a non-interactive Unix shell embedded within Scheme (originally Scheme48).
	Contributor to Racket the language.
Ctojure	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.
	Author of bot - a crypto-currency arbitrager that could talk to several exchanges including Bitlinex and GDAX. It uses Clojure Spec to parse and validate protocol messages and alept 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 bemhtmi-syntax, a syntax converter for BEMHTML - an XSLT inspired templating language - part of BEM methodology of frontend development.
	Author of bemintmi-source-convert, a best effort compiler from BEMHTML templates to BH templates.
	Author of xist-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-xijst, XJST-based compiler for BEMHTML templates. Public Speaking
Jul 2019	talk at RacketCon'19 (Salt Lake City, USA)
due Sep 2019	talk accepted for Strange Loop'19 (St. Louis, USA)
	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	Lomanosov Moscow State University (Moscow, Russia) MS in Theoretical Mechanics and Applied Mathematics.
	Autodidacticisms
2018	Language-oriented Programming and Language Building The Racket Summer School 2018 (Salt Lake City, USA)
2017	Redox for designing operational semantics The Racket Summer School of Semantics and Languages (Salt Lake City, USA) While targeted at PL PhDs a burnch of us non-academic types had been admitted. Learnt to create languages quickly and back them up with runnable reduction semantics - what's not too like?
2015	Introduction to Probability, [Certificate 94%] MIT for edX Because it's awesome.
2014	Paradigms of Computer Programming 1, [Certificate1 94%] Paradigms of Computer Programming 2, [Certificate2 97%]
	Paradigms of Computer Programming 2, Bertificate2 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.
2014	Harchware/Software Interface, [Certificate 88.6%] University of Washington for Coursera How I was introduced to systems programming. Essentially an introduction to Computer Systems course as taught at Carnegie Mellon with the same course-load and text Compute Systems. A Programmer's Perspective by Bynart and OrHalaron.
2012	Programming Languages, Dertrificately Brown Liberahy Heel vans introduced to meeting Pt.s. Taught by Shirann Kinhramunthi based on his wonderful PLAI text. My solutions - a sequence of interpreters for progressively more complex tanguages at the way to OOP. Post transforms and type checkers.
2012	complex languages: all the way to OUP, CPS transforms and type checkers. How to Design Programs by Matthias Felleisen et al. How I was introduced to programming, Assorted solutions to HIDP.
	Languages
Russian, English Cloiure	Equally uncomfortable. 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. Unavoidable Lisp for any Emacs user. It is surprisingly fun to code. Wrote fair amount mostly backend compiler shift with Norfe is
Emacs Lisp	Extensive experience writing parsers with complex and context dependent grammars. Can implement executable semantics for your pet-language or DSL.
Emacs Lisp JavaScript OMeta Redex Java	Enough to write a Cloiure wrapper with necessary bindings.
Emacs Lisp JavaScript OMeta Redex	Enough to write a Clojure wrapper with necessary bindings. Enough to pass a systems programming class but not nearly enough to actually use it. Toyed with but never used in earnest, loreted some good ideas from Lua to Racket and contributed a patch to racer-rust.
Emacs Lisp JavaScript OMeta Redex Java C Factor, OCaml, Lua, Rust, Shen	Enough to write a Clojure wrapper with necessary bindings. Enough to pass a systems programming class but not nearly enough to actually use it. Toyed with but never used in earnest. Iported some good ideas from Lus to Racket and