Vladilen Kozin

| Clojure(Script), Racket, Emacs Lisp, TCL, Redex, OMeta, meta-programming Fall 13 Recurse Center (sida Hacket School) alum UK Tier 1 Exceptional Talent visa holder | |
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| | Corporate ladder |
| Jul-Dec 2019 | Senior Programmer at All Street Research (London, UK) Building cognitive assistant for investment research in Clojure(Script). Front and back, Al, NLP, and more buzzwords here. |
| Apr-Nov 2017 | Senior Programmer at Droit (London, UK) Same as before but with obligatory daily commute. |
| 2015-2017 | Programmen/Consultant at Droit (remote and New York, USA) Building an expert system for compliant trading. Sneaking CojusySoripii into unsuspecting financial giants. On any given and y Loudo the designing DSLs, implementing compilers, parsers, rike-based angines, pating together simple browser-based GUSs and whatever doe the stating life would have me do. |
| 2014-2015 | Programmer at Yardex (Moscow, Russia). Officially a member of Search Interfaces Development Infrastructure group, but mostly I words backend tools for source to source compilation - engines to write your template engines. I I were fuckly and did it right frontiend developers would get to use my work and table all the could. |
| 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 **Author of multis* - all things multiple dispatch for Emacs Lisp: type driven dispatch with protocols, schoop colymorphism 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 racket/lables that extends Racket with first class Lua-style meta-tables for prototypal inheritance, generic associative API and more. Watch my RacketCon19 talk. |
| | 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' wonderfulscsh to Racket, sosh is a non-interactive Unix shell embedded within Scheme (originally Scheme48). |
| Clojure | Contributor to Racket the language. Author of several closed-source products: FpML message parser, financial derivatives classifier based on ISDA basonomies, legal amoitation 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 sleph 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. |
| | Author of bemintmi-source-convert, a best effort compiler from BEMHTML templates to BH templates. Author of viel-more an XLST-based compiler for BEMHTML templates that facilitates. |
| | Author of xipt-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 CIMeta. |
| | Contributor to bem-xist, XJST-based compiler for BEMHTML templates. |
| | Public Speaking |
| Sep 2019 | talk at Strange Loop'19 (St. Louis, USA) |
| Jul 2019 | talk at RacketCon'19 (Salt Lake City, USA) |
| 2004-2006 | Formal education Keldysh Institute of Applied Mathematics (Moscow, Russia) |
| 2004 | PhD track in Applied Mathematics, dropped out New Economic School (Moscow, Russia) MS in Economics track with full scholarship, dropped out |
| 1999-2004 | Lomonosov Moscov 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 | Redux for designing operational semantics. The Rische Summer School of Semantics and Languages (Salt Lake City, USA). While targeted at IP-MDs a burner for us non-academic types had been admitted. Learnt to create languages quickly and back them up with runnable reduction semantics - what's not to fixer? |
| 2015 | Introduction to Probability, [Certificate 94%] MIT for edX Because it's awesome. |
| 2014 | Paradigms of Computer Programming 1, [Certificate! 94%] Paradigms of Computer Programming 2, [Certificate! 97%] Université cathibûte de Louvain for edit. Wheel New Stroduced to concurrency, multi-paradigm programming and delightful paradigms that so of seeme to exist only in academic setting. Taught by Peter Van Roy and |
| 2014 | publication and set of security countries and florides of computer Programming. Hardware/Software Interface, [Certificate 88-6%] University of Washington for Coursera Hardware/Software Interface, [Certificate 88-6%] University of Washington for Coursera Hardware/Software Language (Language March 1997) Hardware/Software Language (Language March 1997) Systems course as buggli at Camegie Mellon with the same course-load and text Computer Systems. A Programmer's Perspective by Right and Orbidation. |
| 2012 | Systems. A Programmer's Perspective by Bryant and O'Hallaron. Programming Languages, Certificate! Brown University of Control of C |
| 2012 | How to Design Programs by Matthias Felleisen et al. How I was introduced to programming. Assorted solutions to HtDP. |
| | Languages |
| Russian, English Clojure | Equally uncomfortable. What I get to use on the job. Can't complain. |
| Racket Emacs Lisp JavaScript | Favorite Lisp. Would be my weapon of choice were such choice ever offered. Unavoidable Lisp for any Ernace user. It is surprisingly fun to code. Wrote fair amount, mostly backend compiler stuff with Node.js. |
| TCL OMeta | Happy parallel universe where people no longer write Shell scripts. Extensive experience writing parsers with complex and context dependent grammars. Can implement executable semantics for your pet-language or DSL. Enough to write a Clojure wrapper with necessary bindings. |
| Redex Java C | Can implement executable semantics for your pet-language or DSL. Enough to write a Clojure wrapper with necessary bindings. Enough to pass a systems programming class but not nearly enough to actually use it. |

Java Enough to write a Clojure wrapper with necessary bindings.

C Enough to pass a systems programming class but not nearly enough to actually use it.
Factor, OCaml, Troyd with but never used in earnest. Iported some good ideas from Lua to Racket and Lua, Rust, Shen
contributed a patch to racer-rust.

Activities and interests

Most of my achievas and interests these days involve boxes with lights and buttons. Even so there were reports of me cycling, bouldering, surfing, roller-slating, sking and more. Having owned a sports car I'll choose a boryclet every interest. Negrey, Soan and far more exotic places. Crossed the US from Mexico to Canada twice with the current state court of 19.