

Summary

- Generalist: I'm a full-stack software developer; I've designed and implemented interactive, responsive, and adaptive web, and mobile apps; complex enterprise-level solutions; cloud services and APIs.
- Team player: I have worked in diverse groups and companies of different sizes, on-site and remotely.
- Technical lead: I have established, trained and lead small groups of engineers.
- Mentor and a technical evangelist: I have organized meetups, workshops, and study groups.
- Automation zealot: I relentlessly seek ways to enhance productivity and reduce the frustration associated with mundane, repetitive tasks.
- Polyglot: I have attained proficiency in multiple programming languages, including Javascript, Typescript, Coffeescript, Lua, C#, Python, Clojure, Emacs Lisp, Fennel and other dialects of Lisp.

I'm familiar with Common Lisp, Haskell, Ruby, Java, and Go.

And I would love to explore other languages like Rust, Elm, Purescript, OCaml, Julia, Scala.

Professional experience

Cisco SecureX

Infosec

Remote

Senior Software Developer

Since June 2020

clojure, clojurescript, github actions, re-frame, elasticsearch, cypress.io

SecureX is Cisco's famed cybersecurity threat detection and response platform.

- Since joining the team I've worked on various parts of the platform, mainly, participated in expanding IROH (Incident Response Orcestration Hub) and CTIA (Cisco Threat Intelligence API).
- I have detected and fixed many bugs; improved the elasticsearch stores; created different types of integrations for internal and third-party teams.
- Designed and developed from scratch an internal Web-UI for documentation writers and analysts in supporting teams.

Dividend Finance

Fintech

San Francisco/Part-time remote

Senior Software Developer

Nov 2018-May 2020

Dividend Finance offers residential solar loans, home improvement, and PACE financing products. That includes web-portals for installers and home-owners, together with comprehensive API for partners: financial institutions and solar energy installation companies.

RESTful API is used as a back-end for Dividend's portals and as a public set of endpoints for partners. Built on Clojure stack (loosely based on Luminus) with Salesforce and PostgreSQL as the system of record.

Fronted apps are Clojurescript (Re-frame) based, with Material UI React components, meant to be utilized from mobile and desktop devices.

Extensively worked on many projects, on both - front and back-end:

- Built an improved and revised web-portal.

clojure, clojurescript, re-frame,
salesforce, heroku, jenkins, postgresql,
RabbitMQ, circleCI, puppeteer, selenium

Funding Circle

Fintech
San Francisco/Part-time remote
Senior Software Developer
Feb 2016-Aug 2018

clojure, clojurescript, kafka, rethinkDB,
om.next, re-frame, honeySQL, docker,
docker-compose, apache mesos,
circleCI, ruby, ruby on rails

- Created an audit log system from scratch.
- Helped to launch a partnership program with multiple capital providers such as Keybank.
- Implemented internal document warehousing system.
- Vastly improved testing practices and test coverage.

Lending platform for small businesses. Designed and built a web-portal for FinOps teams, to allow them to track transactions, monitor deposits, manage reconciliations, etc., and maintain net capital compliance.

Portal was built in Clojurescript, initially using Om.next, later restructured to work with Re-frame. With a set of APIs (made with Clojure) on the back-end with materialized views in PostgreSQL, where data gets aggregated from Kafka clusters via Kafka Connect.

Pioneered many unique ideas while building the portal.

Additionally, have organized and hosted local Clojure meetup.

Multiple "Best team" awards. Repeatedly has been nominated and won the "Employee of the month" award.

Mobitor

Medical Equipment Logistics
Walnut Creek, CA
Lead Front-end Developer
Apr 2015-Feb 2016

babel.js, coffeescript, node.js,
couchbase, rx.js, angular, karma,
protractor, gulp.js, bower, postcss,
docker

Implemented a web-portal, suite for managing medical devices - orthopedic, spine surgery implants, and supplemental equipment.

Web-portal was Angular.js based, with node.js back-end that "talks" to API built in C#.

Invitae

Genomics/DNA sequencing
San Francisco
Lead Front-end Developer
May 2014-Apr 2015

coffeescript, python, django, node.js,
rxjs, ramda.js, angular, d3.js, karma,
protractor, gulp, browserify, stylus-css,
elasticsearch

Designed and implemented an asset tracking/dashboard web app with various charts, graphs and spreadsheets. Angular.js based, written in Coffeescript with Python back-end (Django).

VEVO

Video hosting

- Designed and implemented cloud-based, task-driven, scalable video encoding system.

New York City/San Francisco
Senior Software Developer
Jan 2012-May 2014

javascript, typescript, coffeescript, c#,
node.js, ASP.net, angular, AWS, MS SQL
server

Bunk1.com

Web services
New York City
Front-end Developer
2011

c#, javascript, asp.net, backbone,
jquery, objective-c, xamarin tools

USEDirect

Integrator
Roslyn Heights, NY
Application Developer
2010

c#, WPF, MS SQL server

Freelance

New York City
Freelance Programmer
2009

c#, javascript, wordpress, php

Redesigned from scratch, it was incredibly efficient, compared to the previous version.
Benchmarks indicated - it was ten times faster.

Written in C#, using SQS and DynamoDB for scheduling and state management.

- Lead a group of developers in building admin web-site to be used by partners (ASP.net, Angular.js).
- Implemented Google Chromecast integration for Vevo apps.
- Built Vevo app for Apple TV.
- Participated in vevo.com redesign.

Web (ASP.net, jQuery) and mobile apps (iOS).

Microsoft Dynamics desktop UI shell (WPF, c#).

- High-frequency trading app for Dimension Capital - fast, responsive, secure automated decision-making tool for trading.
- QA automation for RI Communications Group.
- Various web projects (wordpress, php, javascript).

jobs before 2009 are not displayed, a comprehensive list can be provided upon request

Education

Bachelor of Software Engineering

Tashkent University of Information Technologies.