Ag Ibragimov

agzam.ibragimov@gmail.com

Senior Software Developer

Summary

Full-stack Developer and Generalist, proficient in a wide range of programming languages, with a proven track record in building solutions - web and mobile apps, cloud services for various industries ranging from Cybersecurity and Fintech to Bioinformatics and Entertainment. Adept at working in diverse teams both on-site and remotely, with a history of taking on leadership roles. Passionate about productivity enhancement and automation.

Professional experience

Command Zero

Senior Software Developer

Since Oct 2023

aws, clojure, cockroachdb, jvm

Cyber threat intelligence and digital forensics tool.

- Enhanced performance of CockroachDB-driven backend
- Integrated various metrics into Prometheus/Grafana

Cisco XDR

Senior Software Developer

June 2020-Oct 2023

aws, clojure, clojurescript, cypress.io, docker, elasticsearch, github actions, graphql, jvm, next.js, node.js, re-frame, react

XDR (previously known as SecureX) - Cisco's famed cybersecurity threat detection and response platform.

- I worked on various parts of the system, including the CTIA and CTIM - Cisco Threat Intelligence API and the model; and project IROH (Incident Response Orcestration Hub)
- Improved Elasticsearch stores; created different types of integrations with third party services such as Palo Alto Cortex and Cybereason.
- Built a portal for Cisco TAC (Technical Assistance Center), reducing the number of incident escalations by nearly 50%.
- Designed and developed a management tool for the documentation team.
- Participated in an annual hackathon with a unique and unconventional project that stood out among other 300+ submissions and made all the way to the finals.
- Enrolled in SANS SEC504 training course - Hacker Tools, Techniques, and Incident Handling.

Dividend Finance

Senior Software Developer

Dividend Finance offers residential solar loans, home improvement, and PACE financing products.

Nov 2018-May 2020

The stack consisted of web portals for homeowners and solar installers, including a comprehensive API for partners - financial institutions and solar equipment installation companies.

I have worked on the Clojure-driven API, loosely based on Luminus, with Salesforce and PostgreSQL as the systems of record.

The frontend apps we've built in Clojurescript (Re-frame), utilizing Material UI React components, and designed to be responsive and usable on Desktop and Mobile.

- Built an improved and revised web-portal.

- 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.

circleci, clojure, clojurescript, heroku, jenkins, jvm, postgresql, puppeteer, rabbitmq, re-frame, react, s3, salesforce, selenium, terraform

Funding Circle

Senior Software Developer
Feb 2016-Aug 2018

Funding Circle is a peer-to-peer lending platform.

- I have built a web-portal for FinOps teams, to allow them to track transactions, monitor deposits, manage reconciliations, etc., while maintaining net capital compliance.

  Portal was built in Clojurescript, initially using Om.next, and later we switched to Re-frame. A set of APIs, made with Clojure, were created for the backend. Materialized views in PostgreSQL were used, where data gets aggregated from Kafka clusters ingested via Kafka Connect.

  We introduced unique concepts on the front end, such as using Integrant to compartmentalize UI elements into individual components - specs, styles, and render functions, essentially transforming them into highly versatile Lego pieces.

- I have organized and hosted local meetups.

- Multiple "Best team" prizes. I was repeatedly nominated and awarded the "Employee of the month"

circleci, clojure, clojurescript, docker, honeysql, jvm, kafka, mesos, om.next, re-frame, react, rethinkdb, ruby, ruby on rails

Mobitor

Lead Frontend Developer
Apr 2015-Feb 2016

Mobitor was a startup specializing on Medical Equipment Logistics.

I have implemented a web portal for managing medical devices - orthopedic, spine surgery implants, supplemental equipment.

Used Angular, paired with a Node backend, which communicated with a .NET API on C# and MS SQL Server.

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

Invitae

Lead Frontend Developer

May 2014-Apr 2015

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

Invitae specializes in diagnostic DNA sequencing.

I've designed and implemented an asset tracking/dashboard web app with various charts, graphs and spreadsheets. Angular based, it was written in Coffeescript, and supported by Python backend on Django.

Vevo

Senior Software Developer

Jan 2012-May 2014

angular, asp.net, c#, coffeescript, dynamo db, f#, javascript, ms sql server, node.js, s3, sqs, typescript

Vevo is the World's Leading Music Video Network.

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

Redesigned the entire system from scratch, making it vastly more efficient. Benchmarks showed a tenfold increase in efficiency.

○ Lead a group of developers in re-building Admin Web Site for partners and internal use. ASP.net, Angular.js.

○ Implemented Chromecast integration for Google's pilot program, demonstrating its compatibility with apps like Vevo.

○ Built the Apple TV Vevo App.

○ Played major part in redesigning the main website - vevo.com.

Bunk1.com

Frontend Developer

2011

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

Bunk1 helps parents stay in touch with kids in summer camps.

○ Designed an aesthetically pleasing and functional calendar widget for the web application (ASP.net, jquery).

○ Developed an iOS App on Xamarin stack.

jobs prior to 2011 are not listed; a comprehensive list can be provided upon request.

Education

Bachelor of Engineering

Tashkent University of Information Technologies.