Igor Loskutov — Full Stack Developer

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EXPERIENCE

- **Monadical**   Quebec, CA, Remote
  Full Stack   *2022 - Now*
  - **Graph-based funds distribution system**: Wrote an event-driven temporal deterministic system for running funds and content distribution algorithms
  - **Double-entry accounting system**: Wrote a double-entry accounting system over PostgreSQL to track unconventional flow of debits/credits. Stripe/Paypal integrations.
  - **Double-entry accounting system**: Improved developer experience of the team by setting up a CI/CD pipeline with Kubernetes and Github Actions, and by introducing a monorepo project structure

- **DesignerAdvantage**   Newton, MA, US, Remote
  Frontend Developer   *2021 - 2022*
  - **CRM for interior design project companies frontend**: Helped the client secure funding round by speeding up development. Left codebase well maintainable and easy to build upon. Supervised and guided staff engineers. Although the project being a simple CRUD, challenges were tight time span to deliver and artificial API restrictions (Salesforce)

- **FiddleQuest LLC**   Rogue River, OR, US, Remote
  Lead Developer   *Dec 2014 - Present (retainer)*
  - **Violin teaching/learning app. React/Node.js/Meteor.js App (Typescript)**: The product I've made from scratch and evolved over the years, took the business to a new level. It's currently an integral part of their education process. Featuring realtime DB → UI updates done in performant and maintainable way. Billing with Stripe, subscription/discounts/coupon system, properly synchronized two-way with Webhooks
  - **React Native iOS/Android apps**: Cross-platform work with camera, video pre-encoding, secure upload to AWS S3, post-handling with AWS Transcoder
  - **HTML5 Game**: Core logic scripting, inventory / badges (achievements) / "points" for uploaded through the mobile app videos. Typescript, React.js, AWS (SQS, DynamoDB, Lambda, SNS), Docker

- **TheHireStreet**   London, UK, Remote
  Software Engineer   *Dec 2016 - Apr 2021*
  - **Java/Lombok (Dropwizard), Typescript (React)**: Rental system for catering businesses and individuals. Modernized the current Java/jQuery product (to React)

- **An Ethereum based Crypto DEX. Mostly NDA**   Remote
  Software Engineer   *Dec 2016 - Apr 2021*
  - **Frontend, React (JS), Redux**: Integrated Metamask and hardware wallets with their Ethereum contract. Charts

- **Danke Games**   Heidelberg, Germany, Remote
  Software Engineer   *Sep 2013 - Nov 2014*
  - **Yarnee, Instagram stories before they were a thing. Angular, DevOps**: Frontend (AngularJS), Backend (Python/Pyramid). I also have made the app horisontally scalable with the AWS stack

- **Megaplan**   Moscow, Russia
  Software Engineer   *May 2012 - Feb 2013*
  - **Helpdesk development, Java/Scala**: I wrote them a helpdesk system integrated with development task management using Atlassian JIRA plugin system
  - **Custom Postgres Failover solution (Scala, Apache Zookeeper)**: Before Postgres had it as a feature

SKILLS

- **Backend**: TypeScript, Java, Scala, Rust, Rails. SQL, ORMs

- **Frontend and mobile**: Typescript, React (+Native), Redux, GraphQL, WebAssembly

- **Infra**: AWS, CloudFlare, DigitalOcean, Ansible, Terraform, Kubernetes, GitHub Actions, Heroku. Document databases, Neo4j, Redis, Kafka, RabbitMQ, Elastic

- **Misc**: TDD, DDD, System Analysis, Functional Programming, Haskell, Clojure

EDUCATION

- **Moscow Technological University & Toljatti Technical University**   Moscow & Toljatti, Russia
  Bachelor of Engineering in Computer Science   *2012 - 2016*

Certs

- Oracle Certified Expert, Java EE Enterprise JavaBeans Developer

- Oracle Certified Professional, Java SE Programmer

- Zend Certified Engineer PHP

- System Analysis by tought-dev.school