

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 Ive made from scratch and evolved over the years, took the business to a new level. Its 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 horizontally 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