

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 2014 - 2023
 - **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
- **Previous jobs** Moscow, Russia
Software Engineer 2011 - 2014
 - **Java/Scala, AWS, Angular, React, JS/Typescript:** More details on request.

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, Solana, Bevy

EDUCATION

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

PUBLICATIONS

- [50 shades of Rust or emerging Rust GUIs in a WASM](#)
- [Property-based testing for temporal graph storage](#)
- [Entity Component System pattern Game Dev on Rust; Data-Oriented Design intricacies. \(Tech talk\) \(RUS\)](#)

CERTS

- Oracle Certified Expert, Java EE Enterprise JavaBeans Developer
- Oracle Certified Professional, Java SE Programmer
- Zend Certified Engineer PHP
- [System Analysis by tough-dev.school](#)
- [Asynchronous Architecture by tough-dev.school](#)