

## EXPERIENCE

---

- **Monadical** Quebec, CA, Remote  
*Full Stack* 2022 - Now
  - **Graph-based funds distribution system:** Wrote an event-driven, historical, reliable and deterministic system for running funds distribution algorithms
  - **Double-entry accounting system:** Wrote a double-entry accounting system over PostgreSQL to track a complex flow of debits/credits
- **DesignerAdvantage** Newton, MA, US, Remote  
*Frontend Developer* 2021 - 2022
  - **CRM for interior design project companies frontend:** Helped them 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

## PROGRAMMING SKILLS

---

- **Backend:** TypeScript (Node, various incl. Next.js, Meteor), Rails, Java (Dropwizard), Scala (Akka HTTP), Rust. Expert SQL, ORMs (many), Document databases, Graphs, Redis, and Elastic Search for Data storage layer, expert with Stripe API
- **Frontend and mobile:** Typescript-ed React (+React Native), Redux, Mobx, GraphQL, Angular, WebAssembly
- **Infra:** AWS (DynamoDB, SQS, Lambda/API Gateway), Jenkins (+Ansible), DigitalOcean Apps (+Docker), GitHub Actions, Heroku, RabbitMQ, Firebase

## 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