Ilshat Sultanov

TechLead
Solution architect
Full-Stack Software engineer

About

- Husband
- Father of two wonderful children (daughter and son)
- Individual entrepreneur
- Craftsman
- Clojure enthusiast
- Software, solution architect
- Full-Stack Software engineer
- DevOps engineer

Interests

- Clojure (Script)
- Open-source
- Functional, reactive programming
- Pair programming, XP
- Event sourcing, CQRS
- Finite state machines, DSL, Parsing algorithms
- DevTools
- Real-time applications
- DevOps (Docker, Ansible, Kubernetes)
- CI/CD
- Best practices, 12-factor applications
- TDD, BDD, DDD

Contacts

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Socials

GitHub
@just-sultanov

Linkedin
@just-sultanov

Telegram
@just_sultanov

Twitter
@just_sultanov

Languages

Russian
Native

English
Pre-Intermediate

Experience

- Jun 2021 – Present · Remote

  Freshcode
  Senior Software engineer

  Projects:
  1. **Biomedicine project** (production) – We help our clients generate value from large-scale heterogeneous biomedical data – managing, analyzing, exploring, interpreting, and reporting – to create informed and actionable insights
     Roles: Full-Stack Clojure developer, Mentor
     Tech Stack: Clojure (Script), R, MySQL, Docker, AWS, GitLab CI
  2. Clojure Garden (active development) – The navigator in the Clojure ecosystem.
     Roles: Software architect, Full-Stack Clojure developer, DevOps, Mentor
     Tech Stack: Clojure (Script), PostgreSQL, Docker, DigitalOcean, GitHub Actions
     Talks: re:Clojure 2021

  Achievements:
  - I quickly completed the onboarding process and started performing production tasks
  - I am actively involved in rewriting one of the largest and most complex modules – the mutation module
  - I am actively involved in improving the processes of hiring Clojurians and their onboarding

- Sep 2018 – Jun 2021 · Moscow, Russia

  Sberbank
  The Head of direction

  Projects:
  1. **Task flow control system** (production) – Automatic task allocation and employee workload management
     Roles: TechLead, Software architect, Full-Stack Clojure developer, DevOps, Mentor
     Tech Stack: Clojure (Script), PostgreSQL, Kafka, Docker, Openshift, Istio, Jenkins
  2. **Metadata management system** (MVP, closed) – Metadata management of the entire ecosystem of the bank allows you to improve the quality of data, data management and reduces the number of integrations between systems, companies
     Roles: TechLead, Software architect, Full-Stack Clojure developer, DevOps, Mentor
     Tech Stack: Clojure (Script), PostgreSQL, Docker, Openshift, Vault, Consul, Jenkins
     Talks: ClojuRu 2019 (En), Highload 2019 (Ru)

  Achievements:
  - I have set up a CI/CD pipeline in various network circuits
  - I very quickly (in 3 weeks) developed a prototype from scratch – backend and frontend, which helped us to present it to CTO of the bank and protect the project budget
  - We very quickly (in 6 months) developed a new system from scratch – backend, frontend, integrated with 5 external systems and deployed in production

- Apr 2018 – Sep 2018 · Nizhny Novgorod, Russia

  Auriga
  Senior Software engineer
  (as a contractor for the Intel)

  Project:
  Software product release system (production) – This system manages the software release cycle of the entire corporation
  Roles: Frontend developer, Mentor
  Tech Stack: Clojure (Script), C#, .Net Core, MS SQL, TeamCity

  Achievements:
  - I rewrote the frontend core in 2 months. I found most of the bottlenecks and, together with the backend developers, fixed them, which allowed us to increase the system performance several times. E.g., the search page returned results within 10–20 ms instead of 30–50 seconds
  - I fixed the development performance issues. I did a comparative analysis between the build tools and switched to a faster one. I rewrote the project structure, which allowed me to reduce the time of rebuilding the project and hot reloading several times. E.g., the new configuration took 5–10 seconds instead of 2–5 minutes compared to the previous one

- Nov 2013 – Apr 2018 · Surgut, Russia

  JSC Tyumen Energy selling company
  Senior Software engineer

  Projects:
  1. Online office for large electricity consumers (production) – The system helps our clients to forecast consumption and submit applications for the purchase of electricity on the wholesale market
     Roles: Software architect, Full-Stack Web developer, DevOps
     Tech stack: Java, PostgreSQL, MS SQL, Ansible
  2. **Automation of routine work:**
     - Notifications about checking metering devices
     - Reports downloader (crawler, web scrapping)
     - Weather data downloader

     Roles: Software architect, Full-Stack Web developer, DevOps
     Tech stack: Python, Clojure (Script), MS VBA

  Achievements:
  - I have been recognized as the best employee for 4 years in a row
  - I took 2nd place in the talent contest
  - I developed an algorithm with which we were able to improve the forecast of electricity consumption and reduce deviations from 5–10% to 1–2%, which allows the company to save a lot of money since then
  - I have developed a mechanism that has reduced the deadline for submitting applications for the purchase of electricity on the wholesale market to 24 hours. Previously, our clients submitted applications 3 days before the auction. This mechanism made it possible to our customers to improve the forecasting consumption, as well as to respond promptly to any problems in production
  - I have added to our customers and the company the ability to track consumption in almost real-time
  - I have automated the collection of all analytical reports on the results of trading, their analysis, and the creation of reports for managers. Since then, it allows to company to save at least 3–4 working hours a day for 10 employees (in general, 30–40 hours a week)

- Nov 2011 – Nov 2013 · Muravlenko, Russia

  Senior Software engineer
  Police

  Responsibilities:
  - Automatic telephone exchange management (IP, analog telephone, routing)
  - MS Windows Server management (AD, Policies)
  - Accounting software support

  Achievements:
  - In a few weeks, I independently figured out the programming of the automatic telephone exchange and reprogrammed the internal communication of the police, then distributed analog and digital numbers to all police facilities in the city. That allowed the police to save a lot of money and time
  - I have configured the domain and domain group policies (GPO), network access, automatic installation of software and hardware

- Apr 2010 – Aug 2011 · Sibay, Russia

  Software engineer
  Hospital

  Responsibilities:
  - Maintenance of artificial kidney machines
  - Maintenance of computer equipment
  - Maintenance of air conditioners
  - Boiler room maintenance