

# Ildar Sharafeev

## Senior Software Engineer

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## Summary

- Seasoned software development engineer with more than a decade of experience in designing and developing a wide range of rich-interface single-page enterprise web applications using the most relevant front-end web framework and libraries (Angular, React, Redux), and various back-end technologies (Nodejs, .NET, Java).
- Fan of micro-frontend and micro-service architectures, clean code and reactive programming.
- Adept at mentoring and teaching others, fostering their growth and enhancing their coding and decision-making skills.
- Tech lead with real experience in building an entire team from scratch, scaling distributed teams, and managing team technical roadmap. Can successfully orchestrate the team and multiply the work.
- Experienced technical writer, public speaker and blogger.

## Work experience

### Staff Software Engineer

September 2022 - Present

#### Apple (Vancouver, Canada)

- In-house micro-frontend expert in the App Store Connect team. Leading micro-frontend design decisions and building tools to improve the developer experience. Contributed to the design of the internal micro-frontend framework integrated by tens of teams in Apple Media Products organization.
- Successfully migrated web platform serving 1M+ daily users to a new version of micro-frontend framework without downtime
- Led and designed various customer-facing and ambiguous features launched specifically for WWDC events.

### Senior Software Engineer

August 2018 - September 2022

#### Amazon Web Services (Vancouver, Canada)

- Tech lead and founding engineer at AWS Backup service team. In charge of front-end features development, integrations and architecture design. Was part of the launch team (launch date January 2019).
- Led several major cross functional team projects and integrations.
- Responsible for team-level technical direction and roadmap development
- Expanded front-end team from 1 engineer (myself) to 15.
- Provided guidance and mentorship to junior engineers and interns, enhancing their coding abilities and fostering better decision-making skills.
- Successfully migrated web console from monolith to micro-frontend architecture and serverless infrastructure.
- Launched E2E test automation platform following Page Object Model design and running on Hydra+Cypress.

Used technologies: React, Redux, RxJS, Typescript, SingleSPA, Cypress, Jest, Enzyme, RTL, Webpack, Java, AWS SDK

### Software Development Engineer

June 2017 - August 2018

#### Microsoft (Seattle Area, WA)

Worked at Microsoft Dynamics HCM team. Building next generation of talent management applications. In charge of front-end and back-end features development and integrations.

- Designed and implemented test plans for both frontend and backend applications (95% coverage).
- Optimized critical REST API endpoints performance up to 20 times by implementing batch updating
- Implemented shared UI components library used by multiple service teams
- Designed API versioning adapter and successfully migrated customers to new API.

Used technologies: Angular 2/5, NodeJs, Material UI, Azure, MS Graph, DocumentDB, .NET Core

## Senior Software Development Engineer

January 2015 - June 2017

[Akvelon, LLC \(Kazan, Russia\)](#)

Outsource software development for US clients (Microsoft, Indemand Interpreting).

- Led, architected and participated in the design, code development, testing and deployment of client/server, multi-tier applications and related components.
- Re-engineered client's solution, migrated backend infrastructure from on-premises to cloud (Azure + AWS). Improved application performance up to 10 times by creating caching mechanism and fixing performance defects.
- Automated and launched client's product sandbox environment that increased sales by 15%.
- Successfully migrated legacy web system to new tech stack.
- Drove integration with third-party customer solutions and company internal services.
- Set up CI & CD using Jenkins and BitBucket.

Used technologies: Angular JS, Angular 2/5, Handlebars, Knockout JS, React/Redux, jQuery, NodeJS, AWS, Azure, Redis, C#, ASP.NET

## Lead Web Software Developer

July 2012 - Jan 2016

[GDC Services \(Kazan, Russia\)](#)

- Designed architecture and implemented high-load and data-intensive intranet web applications purposed to provide operative and relevant information 24/7/365
- Led development of monitoring and security systems designed specially for XXII Olympic Winter Games 2014 in Sochi and XXVII Summer Universiade 2013 in Kazan city

Used technologies: Angular JS, ExtJS, jQuery, JavaEE, Spring, Maven, RDBMS (Oracle, PostgreSQL, PostGIS)

## .NET web developer

Apr 2011 - Apr 2012

[Digital Technologies, LLC \(Kazan, Russia\)](#)

Developed C# desktop applications and ASP.NET web-sites for needs of the biggest Call-Center in Tatarstan region with thousands of operators.

- Automated text and email messages dispatching
- Reduced workload of billing department by developing report system
- Optimized applications performance by re-engineering dispatching business logic as separate multi-threaded offline processor

Used technologies: JavaScript, jQuery, ASP.NET, C# Windows Forms, MS SQL

## Public tech talks

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- [VanJS](#), Oct 18 2023, Vancouver BC. "Domain-Driven Design in Micro-frontend Architecture"
- [DevFest](#), Nov 25, 2023, Vancouver BC. "Domain-Driven Design in Micro-frontend Architecture"

## Education

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### Specialist's degree (equivalent to Master's degree), Information Systems Engineering

2007 - 2012

[Kazan National Research Technical University - Kazan, Russia](#)

- Won federal competition of scientific and research works among students and post-graduate students in category "E-Learning technologies in the education process"
- My article , "Adaptive Learning model " was published in university's magazine
- Developed and integrated learning software system into educational process