


Andrei Surzhan

Senior Software Developer

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Programming languages:

JavaScript/TypeScript (ES6, NodeJS), HTML5/CSS, C#, Python, SQL

Tools:

Databases: MS SQL, MongoDB

Web Frameworks and libraries: NextJs, NestJs, Apollo GraphQL, React Query, Turborepo, Emotion, Stitches, Angular, .Net stack, Mongoose, ExpressJS

VCS: Git

CI/CD tool: CircleCI, Jenkins, Octopus Deploy

Web Testing Frameworks and libraries: Jest, Playwright, Selenium/Protractor, pytest, Jasmine2, Swagger

Other tools: Figma, Datadog, Sentry, Postman, Sumologic

Experience

Senior Software Engineer, [Koala.io/Chowly.com](https://koala.io/)

January 2022 – Present

- Develop the Koala web ordering platform with 6M user sessions per month.
- Spearhead e2e test-automation initiative. Design and integrate framework for e2e automated tests.

Technologies: TypeScript, React, NextJs 12, styled-components, Stitches, React Query, Redux, CircleCi, Git and Github, Turborepo, Jest, Playwright, AWS, Datadog, Sentry

Software Developer, [Farm Credit Mid-America](https://farmcredit.com/)

August 2018 – December 2021

(Louisville, KY)

- Built a Partner facing origination system that led company to earn businesses with partners from 3 additional states.

Technologies: TypeScript/JavaScript, Angular and AngularJS, .Net stack, Entity Framework, Git, MS SQL.

Software Developer, [Open Source Projects](https://open-source-projects.com/)

February 2016 – Present

- Developed and launched web applications: check-list with built-in translation engine, rental listening app, education platform for QA Engineers.
- Orchestrated project effort. Created technical and business requirements.
- Provided guidance and led a team of 2 people that provided QA of the project.

Technologies: TypeScript, React, Redux, NextJs, NestJs, Apollo GraphQL, ExpressJS, Mongoose, MongoDB, Git, Github Pages, Actions, Nginx, DigitalOcean.

QA Engineer, [Farm Credit Mid-America](https://farmcredit.com/) (Louisville, KY)

January 2017 – August 2018

- Architected and implemented a multi-layered abstraction test-automation framework
- Facilitated the involvement of five Quality Assurance team members with varying levels of expertise in test automation activities.
- Tested, developed and launched Consumer landing platform that allowed to migrate all related business processes over web technologies.
- Facilitated testing process in the team to improve testing quality to 96%.

Technologies: Python, pytest, Octopus Deploy, Git.

- Created and delivered business and technical functional/non-functional requirements. Delivered requirements to the development team.
- Conducted Functional, UI, session-based, regression, Cross Browser, Web-services testing (REST).

Senior QA Engineer, Opensoft (opensoftdev.ru)

October 2015 – August 2016

- Modernized automation framework to be able to run tests in parallel reducing run time up to 3 times.
- Extended test coverage up to 500 isolated, independent UI tests.

Technologies: JavaScript, Protractor/WebDriverJS/Selenium, Jasmine, JenkinsCI.

- Designed and integrated a traceability matrix to capture test automation metrics.
- Coordinated and guided 1 Junior QA professional.

QA Engineer, Opensoft (opensoftdev.ru)

June 2014 – October 2015

- Engineered test-automation framework using Selenium, implementing best practices such as the Page Object Pattern and BDD techniques.

Technologies: JavaScript, Protractor/WebDriverJS/Selenium, Jasmine, JenkinsCI.

- Led and arranged testing processes in projects that allowed to increase product quality.
- Designed and executed Functional, UI, session-based, regression, Cross Browser, Web-services tests (REST, SOAP).

QA Engineer, Open Source project JTalks (jtalks.org)

January 2014 – May 2015

- Produced and maintained testing documentation: test-cases, check-lists.
- Conducted requirement analysis, wrote acceptance criteria, crafted visually appealing mockups.
- Performed Functional, UI, exploratory/session-based, regression testing.
- Implemented automated tests. Arranged and provided webinars.

Leadership and Awards

Mentor, Code Louisville

May 2020 – November 2021

Mentored over 150 students.

Engaged in weekly classes with diverse a group of 35+ students.

Leveraged expert knowledge in web technologies to guide and support students in completing assignments and mastering development skills over the course of 12 weeks.

Achievements

- Spearheaded the development of critical-to-business features for Koala first class web-ordering platform that led to establishing OLO partner certification, integrating with Chowly platform, and seamlessly onboarding SMB clients.
- During the work at Farm Credit Mid-America was among top performers in the department with an average score 4.6 (5 max).
- Provided quality control in projects which debuted in world largest exhibitions (Drupa 2016, Graph Expo 2015).

Education

Saratov State Technical University
Engineer (Master)