


# Andrei Surzhan

Senior Software Developer

 Louisville, KY

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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, pytest, Jasmine2, Swagger, Postman

**Other tools:** Figma, Datadog, Sentry, 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](#)  
(Louisville, KY)

August 2018 – December 2021

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

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

Software Developer, [Open Source Projects](#)

February 2016 – Present

- Developed and launched web applications: check-list with built-in translation engine, rental listening app, and 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 for 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](#) (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 a Consumer landing platform that allowed migration of 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, and 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 for an increase in product quality.
- Designed and executed Functional, UI, session-based, regression, Cross Browser, and Web-services tests (REST, SOAP).

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

January 2014 – May 2015

- Produced and maintained testing documentation: test cases, and checklists.
- Conducted requirement analysis, wrote acceptance criteria, and crafted visually appealing mockups.
- Performed Functional, UI, and 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 my 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)