

Ivan Kouznetsov

Greater Vancouver Metropolitan Area

 ivankuz@hotmail.com

 [linkedin.com/in/ivan-kouznetsov](https://www.linkedin.com/in/ivan-kouznetsov)

Summary

10+ years of software development experience spanning from legacy technologies like Visual Basic and ColdFusion to modern stacks using Node.js, GraphQL, and AWS.

Highlights:

- * Wrote and/or updated 100s of automated tests for EA's API gateway used by millions of users.
- * Served as the only quality engineer for a Fortune 500 financial company's web application modernization project. The project team won a company award.
- * Interviewed (along with other people) quality engineering internship and entry-level candidates.

Some of the things I have learned in my spare time have resulted in cloud and agile certifications including:

AWS Solution Architect Associate
All Fundamental Azure certifications
Certified ScrumMaster® (CSM®)

Experience

Senior Engineer - Quality

Slalom Build

Oct 2021 - Present (10 months +)

Slalom Build is a consultancy that develops software for businesses and government agencies.

A Fortune 500 financial firm that rates securities approached Slalom Build to re-implement their web interface for reviewing bond ratings, trends, and related metrics

- I was the sole quality engineer on the team
- I reviewed the existing GraphQL API and found a number of significant opportunities for improvement and delivered a presentation describing the business and technical reasons to address the API issues
- Following the project, I prepared and gave a presentation to other quality engineers at Slalom Build about what went well and what I would do differently on this project

Technologies used: GraphQL, NodeJs, TypeScript

A major insurance company approached Slalom Build to develop a CRM application for managing the entire lifecycle of an insurance application.

- I worked as a quality engineer on a 10+ person team
- Reviewed and refactored test automation code
- Tested edge cases related to generating documents from order data

Technologies used: GraphQL, NodeJs, TypeScript, Azure DevOps, AWS, Postman



Quality Engineer 2

Electronic Arts (EA)

Oct 2019 - Oct 2021 (2 years 1 month)

Highlights:

- * Investigated and prevented false positive failures in API test suite by adding workarounds for upstream services, retrying upstream requests that fail for reasons unrelated to the code being tested, and creating comprehensive test-specific data.
- * Worked with site reliability engineers to create a new Jenkins pipeline for API tests to address speed of deployment concerns.
- * Developed and made improvements to tools for monitoring event-driven microservices, gradual rollout automation, and regression testing
- * Helping the team transition to microservices architecture by adding new microservices testing suites.
- * Advocate for and implement best practices and help less experienced coworkers understand best practices

I work on automated testing of REST and GraphQL APIs using Jest and Jasmine test frameworks, investigate why tests fail, document feature requirements, debug and update test dependencies, and look into and present to colleagues possible solutions to improve test performance and reliability.

Tools and technologies I use in this role include Visual Studio Code, Node.js, Jest, Jasmine, TypeScript, Git, and Jenkins.

To keep our projects organized the team uses a combination of Kanban and Scrum (affectionately known as Scrumban) and JIRA.

Contractor via TEKsystems Global Services.



Full-stack Developer

Waterstreet Franchise Management Software

Aug 2015 - Jan 2019 (3 years 6 months)

Full stack web development of CRM and scheduling solutions for medium and large US-based franchising companies in various industries including property restoration, home improvements, and rubbish removal.

Skills used: Server-side code in ColdFusion, Client-side code in JavaScript, AJAX, jQuery, Microsoft SQL Server.

Challenges:

- * Debugging legacy code,
- * Implementing 3rd party APIs including Google Maps Directions, and Sailplay customer loyalty software among others

* Discussing issues with non-technical clients.



Developer

Doteasy Technology Inc.

Sep 2012 - Jun 2015 (2 years 10 months)

Developed an appointment scheduling solution using ColdFusion, an MVC framework called ColdBox, SQL Server, and JavaScript with jQuery and Underscore.js.

Challenges:

- * Learning a new framework
- * Presenting multiple interface designs based on feedback from executives
- * Working with time zones



Lab Coordinator

The University of British Columbia

May 2010 - Jul 2011 (1 year 3 months)

At Kalina Christoff's cognitive neuroscience lab I was responsible for assisting the graduate students with their projects, developing and maintaining online surveys, and assisting in organizing meetings and presentations on various neuroscience-related subjects.

Education



Simon Fraser University

Bachelor of Arts - BA, Psychology

Took all optional research and data analysis courses, including 2 graduate-level courses



British Columbia Institute of Technology

Individual Courses, Computer Software Engineering

2008 - 2019

Continuing education classes in programming, web development, and project management

Licenses & Certifications



AWS Certified Cloud Practitioner - Amazon Web Services (AWS)

Issued Nov 2021 - Expires Feb 2025



Microsoft Certified: Azure Fundamentals - Microsoft



Microsoft Certified: Security, Compliance, and Identity Fundamentals - Microsoft



AWS Certified Solutions Architect – Associate - Amazon Web Services (AWS)

Issued Feb 2022 - Expires Feb 2025



Certified ScrumMaster (CSM) - Scrum Alliance

Issued Feb 2022 - Expires Feb 2024
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 **Microsoft Certified: Azure AI Fundamentals** - Microsoft

 **Microsoft Certified: Azure Data Fundamentals** - Microsoft

Skills

JavaScript • Web Development • SQL • Agile Methodologies • Software Testing • Statistical Data Analysis • Front-End Development • Customer Relationship Management (CRM) • Software Development • Test Automation

Honors & Awards

 **Innovator** - Electronic Arts (EA)

Jun 2021

My team was awarded the department-wide Innovator award for efficiency-increasing improvements.

 **Team Mongul** - Slalom Build

Feb 2022

The first team I was on at Slalom Build won a company award for a project modernizing a financial web app. I tested all of features and reviewed the API design.