

# Kiryl Varykau

## Software engineer

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### Profile

Software engineer with 5 years of experience in web development, database and infrastructure administration.

- Good at analysing tasks and designing solutions for them.
- Passionately advocating: Martin Fowler's attitude to refactoring, test-driven development, DevOps, Agile culture by spirit.
- Worked in the following spheres: FinTech (LSEG), Berliner Zeitung (Media), Rigi.io (Translation & Localisation).

### Certifications

- **AWS Certified Developer – Associate**  
August 2022 - August 2025
- **EPAM Technical interviewer**  
Conducted over 10 technical interviews

### Education

- **Software for information technologies**  
Belarusian State University of Informatics and Radioelectronics  
2016 - 2020
- **JS / Frontend course**  
The Rolling Scopes School  
January 2018 - June 2018

### Volunteer experience

- **Js / Frontend Mentor in Rolling Scope School**  
September 2022 - February 2023  
January 2021 - June 2021  
September 2020 - December 2020

### Work experience

#### Fullstack developer (85% BE) EPAM

February 2022 - present

Gdańsk, Poland

**Project:** LSEG - failover recovery system.  
**Tech stack:** NodeJS (Typescript), Serverless framework (AWS Lambda), AWS SQS, SNS, CloudWatch, MySQL (RDS Aurora), ReactJS  
**Team size:** 1PM, 1 QA, 1 BA, 1 SA, 3 BE, 3 FE; other teams ~ 20 people

- Introduced and implemented strict typing into the project; It gave a possibility to write a more robust code.
- Refactored code to make it testable and covered it with unit-tests; As a result the maintainability of the code began to improve.
- Introduced a new approach to Agile-meetings; It began to involve the whole team in the discussion of current tickets, problems, etc.

**Project:** Berliner-Zeitung.de - leading Berlin media with over 5 million unique monthly users.  
**Tech stack:** NodeJS (Typescript), Express, AWS App Mesh + ECS, CloudWatch, MongoDB (DocumentDB), Kafka, ReactJS (NextJS)  
**Team size:** 1 DM, 4 QA, 1 BA, 1 SA, 1 BE, 4 FE; ~ 5 people from customer side

- Implemented algorithm of content deduplication. As a result, the amount of duplicated content significantly reduced.
- Implemented generic Wordpress importer. This allows new customers to start using the platform without giving up on Wordpress.
- Implemented integration with Google Analytics. It gave a possibility to provide relevant "most read" articles.
- Implemented a framework for E2E-testing (based on Playwright). It helped to write a maintainable E2E tests.
- Refactored code to make it testable and covered it with unit-tests. As a result, code coverage by tests has been achieved 95% which notably reduced the bug detection time.
- Participated in discussions and design architecture with an SA, which allowed me to greatly improve my knowledge of the field.

#### Fullstack developer Rigi.io

July 2018 - February 2022

Minsk, Belarus / Gdańsk, Poland

**Project:** Rigi.io - software localization platform  
**Tech stack:** NodeJS (Typescript), NestJS, Express, Angular, AngularJS, PostgreSQL, MongoDB, Redis, WebSockets, ElasticSearch, Digitalocean as a cloud provider  
**Team size:** 1 PO, 4 BE + FE

- Implemented multi tenancy architecture which allowed hosting 40+ customers on one server. As a result, the maintenance costs for the same amount of customers significantly reduced.
- Optimized server performance including SQL queries, API calls. For the updated parts execution time has decreased from 2 to 10 times.
- Database administration. A backup system was developed. It saved us several times.
- Participated in meetings with customers. It helped to understand and implement the requirements faster and more accurate.
- Initiated and led the development of a new client and server using the latest technologies. It cleaned the system from deprecated software and speed up development.
- Maintained frontend and backend parts. Quickly and efficiently resolved all arising issues.
- Administered linux servers. Simplified server and client updates, which reduced the number of human-caused errors.
- New UI/UX was developed. It gave the system a modern look and intuitive behaviour.

### Skills

#### Languages

Javascript

#### Runtimes / Compile-time

NodeJS, Typescript

#### Frameworks

NestJS, Express, Serverless, Angular, ReactJS, NextJS

#### Databases

MongoDB (DocumentDB), PostgreSQL, MySQL (RDS Aurora), Redis

#### Message queue tools

Kafka, AWS SQS

#### Cloud-based technologies

AWS (ECS, App Mesh, CloudMap, Lambda, API Gateway, LB (ALB, NLB), Route53, CloudWatch, CloudFront, S3, CodeBuild, CodePipeline, IAM), Digitalocean

#### IaC

Terraform (with Terraspace), AWS CloudFormation

#### Software Quality

SonarCube, ESLint, Prettier, Jest, Supertest, k6, Mocha, Chai, SinonJS

#### Additional

Docker, AWS SDK, Linux (Ubuntu), Git, GitLab, GitHub, yarn, npm, pm2

### Languages

**English:** B2  
**Belarusian:** native  
**Russian:** native  
**Polish:** A2

### Hobbies



Skiing



Fitness



Hiking



Traveling



Reading



Chess