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

Backend developer
EPAM
January 2023 - 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.

Backend developer
EPAM
February 2022 - January 2023   Gdańsk, Poland

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.

Full stack developer
Rigi.io
July 2020 - February 2022   Minsk, Belarus / Gdańsk, Poland

Project:	Rigi.io - software localization platform
Tech stack:	NodeJS (Typescript), NestJS, Angular, PostgreSQL, MongoDB, Redis, WebSockets, 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.

Full stack developer
Senior Node
July 2018 - July 2020   Minsk, Belarus

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

- 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
- 🏃 Hiking
- 📖 Reading
- 🤸 Fitness
- ✈️ Traveling
- ♟ Chess