

# VASYL MELNYCHUK

Senior software developer

 Lviv, Ukraine / Remote

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As a software engineer with over a decade of experience, I possess advanced skills and expertise in software engineering, with a particular emphasis on developing Ruby applications. Over the years, I have honed my skills in designing, developing, and maintaining high-quality software applications that meet the needs of various clients and users.

## SKILLS

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- *Programming Languages:* Ruby, Javascript, Typescript, Elixir, Python, Groovy, C, Java, jRuby
- *Frameworks & Libraries:* Ruby on Rails, Dry-rb, Sinatra, Hanami, Sidekiq, NodeJS, Vue, React, jQuery, Phoenix
- *Databases:* PostgreSQL, Postgis, MySQL, MongoDB, CouchDB, Redis, Neo4j, Sqlite,
- *Infrastructure:* AWS, Google Cloud, Microsoft Azure, Heroku, Terraform, Ansible, Docker, K8s, Managing linux servers, Kafka, RabbitMQ, SQS, Jenkins, Github Actions
- *Other:* TDD, BDD, Microservices Architecture, Service-Oriented Architecture, full development lifecycle without QA and/or Project Management
- *Integrations:* REST, SOAP, SSO, OAuth, SAML, OpenID Connect, JSON API, GraphQL

## PROFESSIONAL EXPERIENCE

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### Svitla Systems | Remote | June 2023 - October 2024

Risk-management system that allows clients to receive and react to various delays in supply-chain.

#### Key Responsibilities:

- Supporting data hub, responsible to be single point of truth
- Improved performance and adapting to new requirements full-text search, based on a big and frequently changing Postgres database
- Implementing web scraping tool, allowing AI team to get learning data
- Integrating OpenID connect SSO method with further integration with Azure ecosystem

**Key Technologies:** Ruby on Rails, Postgres, Microsoft Azure, Heroku, Typescript

**Role:** Senior Backend Developer

### TopTal | Remote | October 2019 - February 2023

Freelance platform, focused on finding top talents across the world and providing the best candidate/employee match.

#### Key Responsibilities:

- Worked in a team, responsible for scheduled code and data maintenance like performing large zero downtime data migrations, full-project Sidekiq workers refactoring, migrating REST API to GraphQL or taking care of orphaned projects.
- Developing an internal tool, that was responsible for collecting data from CI, Github and making decisions and, if needed, escalating to appropriate people on red CI. This dramatically reduced the time, master branch spent in the red state, helped find and eliminate most of the flaky specs and improved developer's satisfaction.

- Migrating Jenkins Pipelines and post scripts from Jenkins (Groovy) to Github Actions (NodeJS)
- Was part of the team, responsible for planning and implementing PoC of migration from monolith application to Service-Oriented architecture with Kafka as a message bus.
- Sentry to Rollbar migration with all context-fetching metacode
- Maintained Rspec distributed and Cucumber distributed tools, allowing to run tests across multiple CI jobs on different physical machines. Later in scope, the same team's responsibilities tool was adapted to run over K8s.

**Key Technologies:** Ruby, Ruby on Rails, Postgres, Google Cloud, (Java/Type)script, Redis, Sidekiq, Terraform, Groovy, NodeJS

**Role:** Senior Backend Developer

### **Matic | Lviv, Ukraine | February 2018 - October 2019**

Helping USA homeowners to reduce insurance costs for their houses.

#### **Key Responsibilities:**

- Team/Tech management: Hiring, onboarding, mentoring, creating personal development plans, facilitating SCRUM processes, breaking down initiatives from C-level into tickets
- Planning, developing and maintaining email marketing tools that allowed homeowners to decrease the price of their yearly payments
- Was in the role of both project manager and developer for refactoring, caused by shift in product vision and inconsistencies in 3rd party data.
- Making sure email is getting to customer inbox
- Working under strict US regulations to be fully compliant with data protection laws
- Planning and adapting company-wide service-oriented architecture for marketing service
- After we launched marketing project company started to sell insurances, which increased the revenue

**Key Technologies:** Ruby on Rails, Postgres, AWS, SQS, Typescript, Docker, Jira, Zoom, MongoDB

**Role:** Team Lead

### **MatchOffice | Lviv, Ukraine | November 2015 - February 2018**

Help businesses to rent commercial real estate across all European markets.

#### **Key Responsibilities:**

- Adapted and expanded product from Scandinavian market to Europe
- Team/Tech management: hiring, onboarding, mentoring
- Planned and implemented architectural and data changes in order to merge instance/country to single product, serving all markets
- Was responsible for recruiting team and office management as I was the only developer in Lviv, Ukraine. This resulted in moving the main office from Copenhagen to Lviv, decreasing development costs
- Prepared backend for new, single page, similar to Airbnb, application on the front-end. Main challenge was to make a fast and correct response to the user's action on the map.
- Normalizing input data from users, to avoid duplications
- Simplified infrastructure, which reduced costs to maintain product
- Was responsible for full development lifecycle without DevOps, Ops and QA
- Maintaining deployments and bare-metal linux servers. Helped DevOps to migrate projects to Docker once one was hired

**Key Technologies:** Ruby on Rails, Postgres, barebone Linux server, Docker, Javascript, JQuery, CouchDB

**Roles:** Lead developer, Senior Developer

## **JetRuby | Lviv, Ukraine | August 2013 - October 2015**

Various projects, outsourcing.

### **Key Responsibilities:**

- Development on both frontend and backend parts
- Growing as software developer

**Key Technologies:** Ruby on Rails, Postgres, MySQL, Javascript

**Role:** Full stack junior/middle Ruby on Rails developer

## **DroidLabs | Remote | February 2013 - July 2013**

Various projects, outsourcing.

### **Key Responsibilities:**

- Development on both frontend and backend parts
- Growing as software developer

**Key Technologies:** Ruby on Rails, MySQL, Javascript, threeJS

**Role:** Junior developer

## **Round Lake | Remote | November 2012 - January 2013**

Software for payment kiosks.

### **Key Responsibilities:**

- Building payment gateway to top up phone through kiosk
- Integrated with SOAP-based bank API
- Growing as software developer

**Key Technologies:** ruby, jruby, java

**Role:** Junior ruby developer

# **EDUCATION**

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## **Ivan Franko National University of Lviv | 2009 - 2014**

- Computer science, Faculty of electronics, Bachelor, 2009-2013
- Artificial intelligence, Faculty of electronics, Master, 2013-2014

# **Languages**

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- Ukrainian – native speaker
- English – advanced

# **Hobbies**

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- Learning to play electric, acoustic guitar, piano and music theory in general
- Photography, both analog and digital
- Sound recording, field recording in particular