Sergiu Beșliu

⚲ Moldova, Republic of ✉ hello@wyodeb.io ▢ +37379942561 ▥ in/sergiu-besliu

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SUMMARY

Experienced software engineer with over 15 years in backend and cloud systems, specializing in Ruby on Rails. Adept at system modernization, performance optimization, and team collaboration. Open to challenging software engineering opportunities—senior or mid-level—in remote-first, product-driven environments.

EXPERIENCE

Sr. Software Engineer & Team Lead | We as Web | Chișinău, Moldova | September 2024 – Present
- **Technologies:** Ruby on Rails 5–7, PostgreSQL, JavaScript, Docker, AWS (EC2, S3, RDS, Lambdas, Route 53), Sidekiq, Redis.
- Upgraded a large Rails application from legacy version to latest stable, increasing performance benchmarks by 35% and eliminating major security vulnerabilities.
- Increased automated test coverage from 65% to 90%, which reduced deployment incidents by 50% and enabled a move to weekly release cycles.
- Refactored background job processing and rake tasks, cutting job failure rates by 70% and reducing average incident recovery time from 3 hours to under 45 minutes.
- Rewrote and optimized Docker configurations, shrinking local developer environment setup from 2 hours to 20 minutes and improving CI build reliability by 60%.
- Standardized service-layer architecture, which decreased technical debt by 30% (based on internal audit) and accelerated new engineer onboarding by 40%.
- Led modernization of 2+ legacy codebases, with zero production downtime during migrations.
- Improved deployment tooling and workflows, reducing environment-related bugs by 80% and enabling faster rollbacks when issues occurred.

Sr. Software Engineer | Teamart Outsourcing | Chișinău, Moldova | May 2021 – September 2024
- **Technologies**: Ruby on Rails, OCR.space, RSpec, AWS, PostgreSQL, Sidekiq, Redis.
- Developed and maintained document digitization features for the construction sector, enabling the automated processing of over 1,500 documents per day and reducing manual data entry by 80%.
- Improved OCR accuracy by 30% through custom validation, helping to minimize data correction workload for end users.
- Optimized backend processes, cutting average API response times by 45% and supporting a growing enterprise customer base.
- Enhanced service reliability by improving Sidekiq job management and AWS S3 integrations, achieving 99.9% system uptime.

Sr. Software Engineer | Artsintez Media | Chișinău, Moldova | June 2019 – May 2021
Software development
- **Technologies:** Ruby on Rails, PostgreSQL, RSpec, Sidekiq, Redis.
- Developed and maintained document management systems for two state institutions, digitizing and organizing over 100,000 official records.
- Built and launched a public website for ASEM, integrating a payment API to enable secure online transactions for 10,000+ users.
- Created user feedback and admin modules that improved daily workflows for staff at several client companies.

Software Engineer | ASEM (Academy of Economic Studies of Moldova) | Chișinău, Moldova | September 2018 – July 2019
- **Technologies:** Ruby on Rails, PostgreSQL, RSpec, Sidekiq, Redis.
- Developed and supported internal correspondence and monitoring applications used daily by 500+ staff and students.
- Automated IT workflows and routine tasks, reducing manual intervention by over 60% and improving overall system reliability.
- Built command-line and web tools to simplify network monitoring and maintenance, decreasing response times to technical issues by 40%.

Software Engineer | Bitsane | Kyiv, Ukraine | July 2017 – March 2018
- **Technologies:** Ruby on Rails, Blockchain (wallet automation), RSpec, Sidekiq, Redis, REST API.
- Developed core account management logic for a cryptocurrency trading platform serving over 50,000 users.
- Implemented automated wallet creation and removal, reducing manual onboarding steps by 90% and improving transaction reliability.
- Integrated the Advanced Cash payment API, enabling seamless deposits and withdrawals for users and supporting increased trading volumes.

Software Engineer | Obmen.md | Chișinău, Moldova | July 2015 – November 2017
- **Technologies:** PHP, SOAP, MySQL, Ubuntu, NGINX.
- Sole developer responsible for designing, building, and launching a real-time online currency exchange platform used by over 3,000 registered users.
- Developed and maintained all core logic, including automated rate parsing (reducing manual updates to zero), secure payment integrations, transaction workflows, and system APIs.
- Led all testing (with 90%+ code coverage), deployment, and post-launch support activities, ensuring 99.9% uptime and smooth daily operations processing 100+ transactions per day.

Software Engineer | LLC IPS RISE | Kyiv, Ukraine | May 2013 – March 2015
· **Technologies:** PHP, SOAP, MySQL, GIT, Ubuntu.
· Designed and developed payment gateway APIs and transaction processing systems supporting 10,000+ daily transactions.
· Led the technical integration of payment solutions for multiple partner companies, accelerating project delivery by 30%.
· Collaborated with cross-functional teams to ensure system stability and security, reducing payment-related support tickets by 25%.

Project Manager | MahjongTime | Chișinău, Moldova | November 2006 – April 2010
· *Technologies*: *Internal QA tools, Bug tracking, MS Office Suite, Redmine.*
· *Managed stakeholder communication, feature planning, and project documentation.*
· *Coordinated QA and bug tracking activities between development and support teams.*
· *Helped launch new features and supported basic marketing efforts.*

EDUCATION

Bachelor's Degree in Applied Informatics | Academy of Economic Studies of Moldova (ASEM) | Chișinău, Moldova | 2020

SKILLS

Front End: JavaScript, React, Bootstrap, Tailwind CSS

Backend: Ruby, Ruby on Rails, Sinatra, PHP, REST APIs, OCR integration

Databases: PostgreSQL, MySQL, Redis

Background Processing / Queues: Sidekiq, Redis

Deployment & DevOps: Docker, AWS (EC2, S3, RDS, Lambdas, CloudFront, Route 53), NGINX, Ubuntu

Testing: RSpec, Minitest

CI/CD & Version Control: Git, CI/CD pipeline setup, environment parity

Other Tools & Skills: Payment gateway integration, recurring billing, API documentation, Agile workflows, technical/project documentation, project management

Languages: Romanian (native), English (fluent), Russian (fluent)