

LUKASZ SLIWA

Ruby / Ruby on Rails Developer — 17+ Years of Experience
contact@lukaszliwa.com

Short, Keyword-Optimized CV Version

Senior backend engineer specializing in Ruby, Ruby on Rails, API development, distributed systems, and infrastructure-heavy platforms. Proven track record delivering high-performance, scalable, and fault-tolerant systems across fintech, e-commerce, IoT, automation, email infrastructure, DNS, and real-time communication domains. Experienced in refactoring, system upgrades, performance optimization, and complex integrations.

Core Competencies

- Backend development · API design · Real-time systems · Distributed systems
- Email infrastructure · DNS systems · Payment integrations · Data aggregation
- Cloud platforms (AWS, EC2, Heroku, DigitalOcean)
- Containerization (Docker, Docker API)
- Messaging & protocols (MQTT, WebSockets, XMPP, VoIP, RabbitMQ)
- Databases (PostgreSQL, MySQL, MariaDB, MongoDB, Percona)
- Search & caching (Elasticsearch, Redis, Memcached, Sphinx Search)
- Background jobs (Sidekiq, Resque, good_job)
- Authentication (OAuth2, Devise, SAML IdP)
- Testing (RSpec, Pact, test_unit)
- Front-end touchpoints (ReactJS, jQuery, HAML, SASS)

Selected Projects & Achievements

- Self-hosted email platform: Built a full email infrastructure using Dovecot, Postfix, Rspamd, ClamAV, Nginx, Redis, MariaDB, and Memcached.
- Global DNS nameserver platform: Implemented authoritative DNS, BIND9 master/slave replication, glue records, and a Rails-based admin interface.
- Smart parcel-locker IoT system: Developed real-time locker communication using MQTT, Amazon IoT, EventMachine, Rails 7, and PostgreSQL.

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- Fintech APIs: Delivered secure, scalable APIs for financial institutions using Rails API, OAuth2, Docker, and RSpec.
- E-commerce & automation platforms: Built and optimized systems using Rails, Stripe, payment gateways, Elasticsearch, and Sidekiq.
- Social-media data tools: Integrated Facebook API, Google AdWords API, Shopify APIs, and built data-aggregation pipelines.
- Real-time communication systems: Integrated VoIP, Twilio, Kamilio, XMPP, and built APIs for smart building intercom networks.
- Developer assessment platform: Created a browser-based coding environment with Docker API for isolated remote execution.