SKILLS

Programming: Ruby, Rails, Sinatra, Rails-API, Grape, ES6, SQL, serverless technologies, rvm, rbenv, web-service development, Rack middleware, Docker, JWT, JSON API
AWS: IoT, Cognito, ECS, Cloudfront, S3, Dynamo, Lambda, SNS, SQS, Elastic Beanstalk, Route53
Web technologies: HTML5, CSS3, SASS, LESS, HAML, ERB, Moustache, AJAX
TDD, BDD, RSpec, Cucumber, Jasmine, Phantom, Enzyme
Frameworks: React, Redux, JQuery, Underscore, Serverless
Developing Restful API driven applications for SPA or mobile front-ends, SOA, REST APIs, JSON, XML, GIT, SCRUM process
Virtualization environments, KVM, XEN, VMware
Databases: MongoDB, Redis, MySQL, Postgress, DynamoDB
Linux systems – configuration, security, HA, backups, LVM, memchached
Production environments: Nginx, Unicorn, Puma, Heroku, AWS, SQS, Docker, Ansible, Capistrano

PROFESSIONAL EXPERIENCE

TEAM LEAD RoR/React DEVELOPER – Sixeye.net – London, UK   Apr 2017 to present

Team lead developer of the remote management system for IoT devices. Combining the management and control of devices from different manufacturers into one multi-tenant portal with personalized branding. Managing and mentoring 6 people team of developers.

- Fully responsible for system design and implementation based on software design patterns. Security based on JWT. Tokens changed after each request. SOA based serverless backend. React/Redux frontend client.

- CI/CD, blue - green deployment system leveraging Docker, ECS, Elastic Beanstalk and other AWS technologies

- Implementing SPA, responsive, PWA, front-end, React/Redux app, fully tested using Jest/ Enzyme.

- Integrating multiple services leveraging AWS elements: IoT, Cognito, ECS, Lambda, SNS, SQS, Load Balancer, VPS, Route53, EC2, S3, RDS, DynamoDB, CloudWatch, ElasticCache, CloudFront, S3, Beanstalk, API, WAF

- Implementing real-time, fully secure, websocket solution working In multi-tenant environment. Security based on VPS, AWS policies, JWT, AWS signature and certificates.

- External interface leveraging JSON API standard.

SENIOR RoR/JS DEVELOPER – Cloud.net / OnApp – London, UK   Jan 2015 to Mar 2017

Lead full stack developer of the virtual servers' global deployment, provisioning and management system, allowing users to operate globally distributed cloud topologies from one web console. Extremely scalable setup monitoring and serving thousands of active VMs Implementing user / admin management part, administration console, billing system, trouble ticketing and auto-verification daemon.

- Design and implementation of many UI parts of the app, both on server and front-end side. Leveraging angular, web-sockets, CDN, back-end workers

- Fully automated infrastructure deployment (web servers, load-balancing, db servers) through Ansible and code deployment through Capistrano

- Building automatic, concurrent, daemon-based system for pro-active system verification and anomaly detection. Leveraging actor model, sidekiq workers, common db, threads supervising

- Consolidating 3rd party services through the API. Examples: stripe, paypal, zendesk, mapbox, sift-science, AWS s3, pingdom

- Designing and implementing REST API interface. Integrating Grape with Rails. Token based authentication combined with adaptive calls throttling. Automated API documentation based on Swagger

SENIOR RoR/JS DEVELOPER – FancyGiving.com – London, UK   Jan 2014 to Jan 2015

Lead full stack developer of this SOA oriented social system for group wishing/buying. Serving over 100 000 users. Implementation of highly reusable code with leverage of software patterns and OO principles. Over 30 000 lines of code.

- Improved the speed of the system by HTTP, fragment, query, russian-doll caching. HTML redesign for better performance. Speed up front-end techniques: lazy loading, pre-cache, single page application. Speed up data access by rewriting SQL queries, better indexing and slow queries analysis. Postgres stored procedures, triggers, server programming

- Multi-threading concurrency by using native threads, futures, actors for better performance using both MRI Ruby and JRuby. Highly increasing concurrency and resource usage by proper server's process and threads handling. Leveraging Puma and Unicorn rack servers

- Leveraging Rails/Rack middleware system for better composition of software layers. Handling authorization, caching, redirecting, CORS, etc. as Rack middleware services.

- Improved internal SEO characteristics by generating automatic description inside the tags, using proper naming for external resources, leveraging meta tags, facebook graph tags and microdata structures.

- Building dependent and independent SOA services. Examples: fuzzy logic service for finding best product based on JRuby and AWS SQS service, communication service for external systems, data analytics system.

RoR/JS DEVELOPER – Relaximo.pl – Warsaw, Poland   Jan 2010 to Dec 2013

Lead full stack developer for highly scalable, multi-application, multi-threaded distributed system. Demonstrating proper skills to design and implement very complex eco-system of mutually dependent applications and data base systems. Over 40 000 lines of code.

- Implementation of highly sophisticated rental system. Complex model, able to manage daily/hourly rental, serving seasons, tariffs, multi-assets and many pricing models (per season/tariff)

- Implementing communication (facebook style) system with public/private streams. Able to handle many different stream objects, serving as notification API server with ability for private messaging. Server is designed as communication portal for multi-user social network system.

- Implementation of collaboration system for handling social plans and multi-user project management. Building voting system, internal communication, notes, tasks management, internal and external user invitations

- Implementation of internal search engine for handling day-by-day availability, pricing and geographic distance queries

- Implementation of highly interactive front-end environments for SPA pages. Leveraging Backbone.js, backbone-relational, jQuery-data model, jQuery-ui, RESTfull API communication.

CHANNEL MANAGER – INTERMEC – Warsaw, Poland   2009 to 2010

Managed channel of technology partners to support business development in Poland. Actively finding new partners with proper technical and application development skills.

- Secured engagement with **30+ new Tier 2 and Tier 1 partners** in the region and provided training on products, software and services
- Set-up the local, centralized service center for Poland

TECHNICAL MANAGER – MOTOROLA / SYMBOL TECHNOLOGIES – Warsaw, Poland   2004 to 2009

Leading team of 12 technical people. Serve as a driving force in developing business and relationships for this global manufacturer of enterprise mobility products (e.g., rugged mobile computers, wireless infrastructure equipment, radio frequency identification equipment, mobility management system, bar code scanners).

- Secured engagement with 50+ new Tier 2 and Tier 1 partners in the region and provided training on products, software and services
- Organized technical trainings for team members
- Team was honored with the Team Achievement Award, which was announced at the worldwide conference in Texas.

PROJECT MANAGER – MARCONI COMMUNICATIONS – Warsaw, Poland   1999 to 2004

Joined a multi-regional designer, manufacturer, and supplier of telecommunications and information technology equipment and services enabling customers to evolve narrowband networks to next-generation broadband networks (company was acquired by Ericcson).

- Completing installation on two sites that had been negotiated by predecessor to be excluded from the contract because of implementation difficulties;.
- Presented solutions at telecommunication fairs, which started the sales process with two new clients extremely interested in the company's solutions.

AREA MANAGER, RADIO DIVISION – SIRTI – Warsaw, Poland   1998 to 1999

Rapidly promoted in 10 months from position as a designer of telecommunications networks to a management role with this leading international €700 million company engineering telecommunication networks and systems.

- **Managed the full lifecycle planning and completion of a USD $15 million project** for the installation of radio-based telephony in eight cities covering 15,000 subscribers.

EMBEDDED SYSTEM DEVELOPER – NOKIA COMMUNICATIONS – Tampere, Finland   1996 to 1997

Selected as a team member of the Video Lab in the Research Center of this USD $41 billion international manufacturer of telecommunications equipment. Managed the entire project lifecycle for the preparation of communication software for video equipment, including collaboration with software partners.

- **Completed the sub-project within an aggressive deadline schedule of six months.**
- Prepared device driver in C++ for Windows based systems.
- Recommended encapsulating IP traffic in MPEG stream, which was later implemented in the production software.

EDUCATION

- Franco-Polish School of New Information & Communication Technologies – Poland
  Master of Science – Computer & Telecommunication Engineering
  Master of Science, Economics – Management & Marketing Studies
- Institute Nationale des Telecommunication – Evry-Paris, France
  Major – Data Networks
- Silesian Technical University, Poland
  Major – Computer Science