# Den Patin

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## WORK EXPERIENCE

11/2021 – CURRENT Remote
**FREELANCE SOFTWARE ENGINEER / LEAD DEVELOPER**

Doing a wide range of activities for different clients:

- Implementing new features, fixing bugs, writing tests, and refactoring legacy code
- Working on performance optimization and data engineering topics
- Leading teams (up to 8 members) and improving development/delivery processes

Main products I was working on during this time:

- Social network for neighbors
- SaaS for automation of companies' shift scheduling
- Community management platform
- AI-powered interior design service

Stack: Ruby 2.7–3.3, Ruby on Rails 6–7, Grape, Oracle/PostgreSQL, Shell scripting, Github Actions/Gitlab CI/Jenkins, Docker, Sentry, Python, dbt, Datadog.

02/2014 – 10/2021 St. Petersburg, Russia
**SENIOR SOFTWARE ENGINEER** DEUTSCHE TELEKOM IT SOLUTIONS

Developed and built (incl. through the full cycle) several products inside both T-Mobile Deutschland's technical landscape and internal ecosystem of Deutsche Telekom IT RUS (2500 employees).

The most noticeable products I worked on were:
- Wirknetzabbildung (system for storing, documenting, and providing operational data on GSM, GPRS, UMTS, and LTE networks of T-Mobile Germany and relevant data of network components); Dec 2016 – Feb 2021; I acted as a Tech Lead of a team of four members;
- ExTr@ (system for the managerial personnel to track overtime and various extra-events of Deutsche Telekom IT Solutions employees and build reports on employment and cost forecasts); Jan 2016 – Nov 2017; I acted as a Developer and Tech Lead of four full members and six trainees;
- CenTr@ (core service for the whole internal ecosystem that gathers data on company's employees from different sources, processes and clears it out, and then provides flexible means for client (10+) systems to retrieve necessary data on demand); Jun 2016 – Oct 2021; I acted as an Owner, Application Designer, and Developer;
- Rubicon (web GIS system for displaying German Telekom related warehouses, shops, and objects within Germany); Apr 2015 – Oct 2016; I acted as an Accessibility Expert and Developer;
- Navi (company's navigation and administrative system that enables employees to find whatever or whoever they want within the buildings, and administrative personnel and department heads to appropriately plan the seating and costs of the project); Feb 2014 – Oct 2020; I acted as an Application Designer, Developer, Owner and Tech Lead of a team of four members;
- T-Booking (booking systems for company-wide events); Apr 2019 – Oct 2021; I acted as an Owner, Tech Lead, and Developer.

Overall, my responsibilities comprised various activities, including:
- Leading several teams and mentored trainees;
- Building and automating the team / development processes;
- Elaborating / designing the architecture of the applications (both application and system level);
- Interacting with stakeholders and converting business requirements into technical specs;
- Acting as founder and owner for several systems;
- Developing and maintaining features, discovering and fixing bugs;
- Improving the performance of the applications (mostly on the database level);
- Implementing and improving accessibility and ergonomics topics.

The technical stack & tools that were mainly used:
- Back: Ruby (1.9–2.7), Ruby on Rails (3.2–6.0), Sinatra, Crystal, Python 3, Go (1.8—1.13), Java (8, 11);
- DB: Oracle (10g–21c), PL/SQL, APEX (4.1–18.2), PostgreSQL (9.4+), MySQL (5.6, 8.0), MongoDB (≤3.6);
- Tools: Jira, Conflience, Upsource, TeamCity, Jenkins, Sentry, Drone, SonarQube;
- Automation & Deploy: Shell scripting, Vagrant, Docker, Capistrano, Fabric, Liquibase, Gradle, Ant;
- Testing: Watir, Cypress, Selenium, RSpec, Postman;
- Front: JavaScript / CoffeeScript, Bootstrap, Stimulus, Tailwind, some Angular & ReactJS, OpenLayers;
- VCS: Git, Gitea, Gitlab, Github, SVN.

09/2015 – 02/2017 St. Petersburg, Russia
**TEACHER** ITMO UNIVERSITY, PETER THE GREAT ST. PETERSBURG POLYTECHNIC UNIVERSITY

Read my courses in the following areas: Linux, Ruby, and Web Development with Ruby on Rails.

03/2015 – 11/2015 St. Petersburg, Russia
**RESEARCH ASSISTANT** PHILOLOGICAL RESEARCH INSTITUTE

Pursued the research for the grant "Quantitative linguistic parameters for definition of stylistic features and domains of text".

09/2013 – 02/2014 St. Petersburg, Russia
**TECHNICAL WRITER** SYSTEMATICA

Developed product documentation (Adobe FrameMaker), translated documents, presentations, and booklets (into English), and localized the end-user web application.

02/2013 – 09/2013 Moscow, Russia
**SOFTWARE DEVELOPER** OTHER ACCENTS STUDIO

Developed and maintained the main website for a non-profit studio of cultural projects.
Stack: PHP, CodeIgniter, HTML/CSS, JavaScript, jQuery, MySQL, Bootstrap.

10/2011 – 02/2013 Remote, United States
**TECHNICAL WRITER & TRANSLATOR** NEXENTA SYSTEMS, INC.

Built product documentation (Russian, English), performed l10n/i18n activities (Russian, German, Japanese), translated product and marketing documents (Russian, English, German, Japanese, Italian).

## EDUCATION AND TRAINING

09/2013 – 06/2015
**M.SC. IN APPLIED INFORMATICS / COMPUTATIONAL LINGUISTICS** St. Petersburg State University

09/2009 – 06/2013
**B.SC. IN INFORMATICS AND COMPUTER SCIENCE** ITMO University, St. Petersburg

## LANGUAGE SKILLS

Mother tongue(s): **RUSSIAN**

Other language(s):

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---|---|---|---|---|---|
| | Listening | Reading | Spoken production | Spoken interaction | |
| **ENGLISH** | C1 | C1 | C1 | C1 | C1 |
| **GERMAN** | B1 | B2 | B1 | B1 | B2 |
| **JAPANESE** | A1 | A2 | A1 | A1 | A2 |
| **CHINESE** | | A1 | | | A1 |

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## PUBLICATIONS

2015
**Rosca, S., Patin, D. "WebStorm Essentials"**

Birmingham: Packt Publishing
ISBN 9781785286957