





# Ing. Lukáš Rod



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## About me

I'm a **Software Engineer, Full Stack Web Developer, and Photographer.**

I love nature (Ore Mountains), traveling, and urbex.

I graduated from **FIT CTU** Prague with a Master's degree (Ing.) in *Web and Software Engineering* (specialization *Software Engineering*).

During my studies and projects, I had the opportunity to work with an inexhaustible number of technologies and languages. I mainly fell in love with **React and Python**, which I would like to focus on in the future (currently giving preference to Front-end developer jobs with React). But I like to learn new things as well.

## Education

### 2018–2020 Faculty of Information Technology CTU in Prague

- Master's degree (Ing.) in *Web and Software Engineering* (specialization *Software Engineering*)
- **Master's thesis:** *Extension of the web application for the project “Úspěšný prvňáček”*
  - defended, grade A

### 2015–2018 Faculty of Information Technology CTU in Prague

- Bachelor's degree (Bc.) in *Web and Software Engineering* (specialization *Software Engineering*)
  - graduated with honors
- **Bachelor's thesis:** *Web application for the project “Úspěšný prvňáček”*
  - defended, grade A

### 2011–2015 Gymnázium Teplice

- universal education successfully completed by the Maturita exam

## Work experience

### 2014–today Full Stack Web Developer (freelancer)

- creating responsive custom websites/web applications and easy-to-use information systems
- **frontend tech stack:** React 16 ❤️ / TypeScript / HTML 5 / CSS 3 / JS / customized Bootstrap 4 (or Reactstrap) / SPA (Single-Page-App)
- **backend tech stack:** Python 3 (Gunicorn, Django web framework, REST API based on Django REST Framework), MySQL / PostgreSQL, PHP 7 (for simple websites)

### 2014–today Photographer (freelancer)

- **genres:** nature / landscapes, urbex, nightscape / astrophotography / Milky Way photography, portraits, events / weddings / proms / car meetings / sports, commercial (products, company services)

## Languages

- **Czech** (native proficiency)
- **English** (professional working proficiency – B2)
- **Deutsch** (limited working proficiency)

## Certificates

1/2017	<b>Oracle: Database Design and Programming with SQL</b>
1/2017	<b>TOEIC® Listening &amp; Reading Test B2</b>

## Additional knowledges and skills – for Full Stack technologies see [Work experience](#) above

- **graphic design and photo post-processing** (Adobe Photoshop, Adobe InDesign, Adobe Lightroom)
- **IT:** OS Windows administration, remote IT support, PC/laptop repair, advanced work with other SW (e.g. MS Office)
- driver's license (category B, active driver)

## Interests

- **sports:** swimming, cycling, hiking, trekking
- **IT:** new technologies/electronics, IT news
- photographing, nature, urbex, traveling, music, playing the piano, aquaristics

## Projects – more detailed overview of projects available at [lukasrod.cz/projekty/](https://lukasrod.cz/projekty/)

### 2018–today **ÚPadmin – Úspěšný prvňáček** – [code + demo on GitHub](#) (open-source ❤️)

- an internal web application/information system for a project offering extra education and courses for preschoolers
- created within the Bachelor's thesis (2018) and extended within the Master's thesis (2020)
- **frontend tech stack:** React 16 / TypeScript / HTML 5 / CSS 3 (responsive design) / customized Bootstrap 4 (Reactstrap) / SPA (Single-Page-App)
- **backend tech stack:** Python 3 (Gunicorn, Django web framework, REST API based on Django REST Framework), PostgreSQL, JWT
- **other tools & services:** PaaS Heroku, Webpack 4, Babel 7, ESLint / stylelint, Travis CI, behave + Selenium (BDD API and E2E UI automated testing), Black / Prettier, Sentry / Logentries (logging, error monitoring), LGTM / SonarCloud / DeepScan / codebeat / DeepCode (automated continuous code analysis), React Hot Loader, Google Analytics

### 2017–today **Úspěšný prvňáček** – [uspesnyprvnacek.cz](https://uspesnyprvnacek.cz)

- a new website for a project offering extra education and courses for preschoolers + custom CMS with an inventory of products
- **tech stack:** PHP 7, MySQL, HTML 5, CSS 3 (responsive design), JS
- **other tools & services:** Sentry (error monitoring), Google Analytics
- **further work:** logo, PR materials, business card, photographing, administration of the project's social profiles, integration with maps, social sites, search engines...

### 2019–2020 **Auto Reinhart s. r. o.** – [reinhart-auto.cz](https://reinhart-auto.cz)

- a new website for auto service and car mart + migrating and extending an old legacy custom CMS
- **tech stack:** PHP 7, MySQL, HTML 5, Saas (responsive design), JS, customized Bootstrap 4
- **other tools & services:** Webpack 4, Sentry (error monitoring), Google Analytics
- **further work:** logo enhancement, photographing, integration with social sites, search engines...

### 2017 **Květiny U MARKÉTY** – [kvetinyumarkety.cz](https://kvetinyumarkety.cz)

- a simple one-page website for a florist shop
- **tech stack:** PHP 7, HTML 5, CSS 3 (responsive design), JS
- **further work:** logo, business cards, photographing, FB page and training of the shop owner in FB managing, integration with maps, search engines, Google Analytics...

### 2017 **Nábytek ROTH** – [mobel.cz](https://mobel.cz)

- a new website for a furniture shop
- **tech stack:** PHP 5, MySQL, HTML 5, CSS 3 (responsive design), JS
- **další práce:** logo, photographing, integration with maps, search engines, Google Analytics...