

Jakub Valenta

Software engineer, Python and JavaScript specialist

Email: yxgksvby@mailbox.org

Location: Berlin, Germany

Nationality: Czech

Projects: <https://www.github.com/jakubvalenta>

LinkedIn: <https://www.linkedin.com/in/jakubvalenta1>

Experience

2016 — so far

Artory, GmbH (Berlin, Germany)

Full-stack developer

Project: **Artwork Registry**

Building a service to issue cryptographically secure certificates of artwork ownership.

Technologies: **Python/Django, JavaScript/React.js, Docker, Amazon AWS.**

2014

SatoshiLabs (Prague, Czech Republic)

JavaScript developer

Project: **Bitcoin Trezor Web Wallet**

Developing a Bitcoin web wallet that supports Trezor, a hardware device which keeps Bitcoins safe.

Technologies: **JavaScript/Angular.js.**

2014 — 2016

Freelance web developer (Prague, Czech Republic)

Project: ArtMap Bookstore

Launched and maintained a PrestaShop-based e-commerce website. Developed several advanced PrestaShop modules.

Project: Small business, personal and academic websites

Implemented Wordpress themes.

Technologies: **PHP/MySQL, PrestaShop, Wordpress.**

2012 — 2015

Generify (Prague, Czech Republic)

Co-founder, Java and JavaScript Developer

Project: **Mobile applications for music festivals**

Responsible for the web-based part of the project: database, API, content management system, and the underlying server infrastructure. Worked on the backend as well as the user interface. Advised on key decisions regarding company's business strategy.

Technologies: **Java/Play! Framework, JavaScript/jQuery.**

2010 — 2012

Arbes Technologies s.r.o. (Prague, Czech Republic)

YOUR SYSTEM, spol. s r.o. (Prague, Czech Republic)

JavaScript Developer, HTML Coder

Project: **Air Bank a. s. Internet banking**

Lead developer of the client-based part of Air Bank's Internet banking application. Responsible for the whole JavaScript, HTML, and CSS development.

Helped to design an extensive set of CSS stylesheets and HTML components and then maintained it. Developed a complex system of JavaScript components with an emphasis on high performance and easy extensibility.

Helped with the server-based part of the application (written in Java / Wicket) in places where it concerned the frontend of the app.

Performed several code refactorings to improve the overall application responsiveness.

Technologies: **JavaScript/jQuery, Java EE/Wicket Framework.**

2008 — 2011

NOVAGUE, s.r.o. (Prague, Czech Republic)

Server Side Application Developer, HTML Coder

Representative clients:

- **Raiffeisenbank a.s.**
- **Komerční banka, a.s.** (member of the Société Générale Group)
- **O2** (Telefónica Czech Republic, a.s.)
- **Subterra a.s.**

Developed small and medium size websites. Prepared HTML templates for Novague's clients to incorporate in their systems.

Technologies: **Python/Django, HTML/CSS.**

Personal Projects

VideoPi

Linux video player installation for the Raspberry Pi micro-computer.

<https://videopi.saloun.cz/>

Technologies: **GNU/Linux**.

Video Composer

Python library for fast video cutting.

<https://www.github.com/jakubvalenta/video-composer>

Technologies: **Python 3, MoviePy**.

Technical Skills

General

- pure functional and object-oriented programming
- focus on writing understandable and extensible code
- unit and integration testing
- performing code reviews
- scrum
- machine learning basics
- blockchain basics

Technologies

- Python, Django
- Docker, Amazon AWS, Nginx, Apache, Jenkins
- JavaScript, React.js, Angular.js, Node.js, jQuery, Webpack
- Java, Play! Framework, Wicket Framework, Maven, Ant
- PHP, Wordpress, Smarty, PrestaShop
- CSS 3, LESS, SASS
- HTML 5, Bootstrap
- Git, Subversion
- Linux

Education

2009 — 2015

Academy of Fine Arts in Prague (Czech Republic)

Master's degree program, Studio of Intermedia Work

Vice-chairman of the Academic Senate.

Languages

English: full professional knowledge

German: intermediate

Czech: native speaker