



Lukáš Buňát



Full-Stack Developer



Big Data Engineer



Business Consultant



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bunatl



lukasbunat

Full-Stack Developer with the primary focus on front-end with 4+ years of experience in web/software development and data science. I have an educational background in Computer Science and Business Informatics at many different universities all over the world. I thrive on multicultural teams and enjoy resolving everyday challenges using my analytical thinking and problem-solving skills.



Technical Skills

Full-Stack technologies	Front-End	React.js 16.12, JavaScript ES6/2017, TypeScript, HTML5, CSS3, Sass
	Back-End	AWS services, serverless, Node.js, express.js, apache2, nginx
	Database	MongoDB (Mongoose, Monk), DynamoDB, MySQL, MS SQL Server, lowdb
	Other	Yarn, npm, webpack, parcel, react testing library, Jest, postman
Data Science		Python, R, SQL SSIS/SSAS, BI, Tableau, Hadoop, PySpark, Rapid Miner, Hive, Spark, Jupyter
Collaboration		GIT (GitHub), JIRA, Trello, Slack, Asana, G Suite, MS Teams, Office 365



Work Experience

Web dev, tutor & consultant 05/2015 – Present
Freelance Prague, Czech Republic

- I **consult** businesses to **digitalize** their **processes**
- I am implementing **(web) automatization tools**
- Build and maintain business **React/WordPress websites**
- I **tutor** university students in **programming & math**
- **Implementing** additional web apps' functionalities

Video services specialist 05/2018–05/2019
O2 Czech Republic a.s. Prague, Czech Republic

- I **helped to deliver the O2TV platform with 500K users**
- **O2TV is a content streaming platform built with ReactJS and supported with other JAVA SE/EE & C applications**
- I integrated an audio/video player for Prague's city hall
- I maintain and develop other internal application
- The platform is available on: <https://www.o2tv.cz/>

Big Data Analyst 10/2017 – 12/2017
Comillas Pontifical University Madrid, Spain

- **Analyzed Spain's power distribution system to discover consumption patterns using clustering techniques**
- **Analyzed data were stored in Hadoop, I processed them with Spark (for faster processing) and I used Hive for SQL-like interface. Code is written in PySpark**
- The findings (visualized in pandas) allowed to pre-assign the necessary resources in each range of time or season

From 2014 to 2019 I had been working as a volunteer tutor at international student club at CTU.



Featured Projects

Portalo

- A portal that links internal and external web apps into a single portal. User module allows manage employees and their information store in a database
- I created this project as part of my diploma thesis and distributed it as an open-source code
- Front-end part is written in **ReactJS** with **Ant Design** and back-end using **GraphQL with DynamoDB, Lambda, IAM, Amplify and Cognito services**. Hosted on AWS.

EconMetrics CZ

- The application provides **company profiling, economical scoring** and other **multicriteria analysis** using gathered and structured available public data
- Reports from EconMetrics can be used either by individuals or companies
- API enables automatization for 3rd parties
- Currently is project in development

Company Business Intelligence Analysis

- I designed and created a database in **MS SQL Server** based on the structure of the given raw data
- With data pumps I imported raw data from excel, txt, csv and MS Access files, using ETL operations in **SQL SSIS**
- Based on stored data, I built **OLAP cube** in **SQL SSAS** and graphically represented them in **Tableau**



Soft Skills



New creative and innovative approaches to problem solving



Very good (cross-culture) communication for constructive teamwork



Enthusiastic and passionate about learning new things and technologies



Decisiveness and good decision-making (even under pressure) & leadership



Effective time management to ensure tasks' deadlines are met



Education

University, Year(s) of Study	Field of study, Faculty	Location
 University of Economics and Business 2019 - Present	<i>Information systems and technologies</i> MSc. Graduate (Ing.), exp.06/2021 Faculty of informatics and statistics	 Prague, Czech Republic
 Czech Technical University 2019	<i>Open Informatics</i> Faculty of Electrical Engineering	 Prague, Czech Republic
 University of Finance and Administration 2018-2019	<i>Applied Informatics</i> Undergraduate (Bc.) Faculty of Economics	 Prague, Czech Republic
 Czech Technical University 2014–2018	<i>Information Systems and Management</i> Faculty of Information Technology	 Prague, Czech Republic
 Kyungpook National University 2017	<i>Exchange studies</i> College of IT Engineering	 Daegu, South Korea
 Indian Institute of Technology Madras 2016	<i>Exchange studies</i> Department of Computer Science	 Chennai, India
 Delft University of Technology 2016	<i>Case study of Earthquakes in Netherland</i> The ATHENS Programme	 Delft, Netherlands
 Mayflower College of English 2012	<i>Summer language school</i>	 Plymouth, United Kingdom



Certificates



CISCO Academy
CCNA 1 (2013)



Autodesk
AutoCAD (2014)
Inventor (2014)



KFN of UNESCO
Cross Culture Awareness Programme