MSc. Lukáš Buňát

👨‍💻 Full-Stack Developer 📱 Big Data Engineer 💡 Business Consultant

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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 clever solutions.

</> 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, JSON lowdb
	Other	Yarn, npm, webpack, parcel, babel, postman
Data Science		Python, R, Tableau, Rapid Miner, Jupyter, Hive, Spark, Hadoop, PySpark, SQL SSIS/SSAS, BI
Collaboration		GIT, GitHub, JIRA, Trello, Slack, G Suite, MS Teams, Office 365

💼 Work Experience

Web developer   05/2015 – Present
Freelancing   *Prague, Czech Republic*

- I consult businesses to digitalize their processes
- I am implementing (web) automatization tools
- Build and maintain business WordPress websites
- I tutor university students in programming
- 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. It comes with a module, that allows to manage employees and their information
- I created project as part of my diploma thesis and distributed it as an open-source project
- Front-end part is written in **ReactJS** with **Ant Design** and back-end is hosted on AWS with using **GraphQL**, **Lambda**, **IAM, DynamoDB, Amplify** and **Cognito services**

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**

ReactJS 101 projects

- Differences in Redux, useContent and useReducer
- Comparison GraphQL and fetch
- Deployment npm packages

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 uder pressure), leadership
- Effective time managment to ensure tasks' deadlines are met

Education

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

Certificates

CISCO Academy

CCNA 1 (2013)

Autodesk

AutoCAD (2014)
Inventor (2014)

KFN of UNESCO
Cross Culture Awereness Programme