Ladislav Vrbsky

Data team lead, delivering data & AI projects on cloud (mostly AWS), leveraging Python, SQL and DevOps approaches. Engaged in the whole project life-cycle, including its management. Trains the data team, has a growth mindset, is multi-cultural and passionate for AI/ML, Data, Cloud, Leadership and his daughter.

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⊙ Remote (UTC-3), Brazil

EXPERIENCE

- **Data Scientist & Engineer** at Vibe Group ⚹ [`AWS, Python, SQL, DevOps`]   Jan 2019 – Present | Remote
  - ○ Enabled data analytics by creating Data Lakes and Data Warehouses on AWS
  - ○ Reduced deep learning (AI) training times from weeks to days
  - ○ Proactively co-created, structured and lead a Data team
  - ○ Promoted company's data-driven culture by sharing knowledge, besides teaching English
  - ○ Improved management by delivering Business Intelligence (BI) reports and dashboards
  - ○ Avoided client's significant expenses and drove important business decisions by an ad-hoc data analysis

- **Data Engineer & Architect** (contracts) ⚹ [`GCP, Python, SQL`]   Apr 2020 – Feb 2022 | Remote
  - ○ Architected, structured and documented an automated data project on Google Cloud Platform (GCP)
  - ○ Collected public data from the web by creating a serverless ETL pipeline
  - ○ Managed remote developers and specified a sub-project of another data collection
  - ○ Delivered data views for business analysts by transforming data with Python and SQL
  - ○ Created a flexible visualiser of tabular data using Python
  - ○ Managed the product's GCP account

- **Web Developer** at Vibe ⚹ [`Java, C#, SQL, REST`]   Oct 2017 – Jan 2019 | BRA
  - ○ Developed, fixed, improved web apps and services (mostly back-end) for Banpara bank
  - ○ Boosted 3x tech support speed by improving automation tool (for 1 frequent issue)

- **Applied AI Researcher** at UFPA ⚹ [`Matlab`]   Jan 2016 – Apr 2018 | BRA
  - ○ Compared clustering algorithms and respective configs w.r.t. communication delay → MSc thesis ⚹
  - ○ Implemented a clustering-based topology optimizer for Smart Grid networks; Open-Sourced ⚹

- **Junior Software Developer** at AgentFly ⚹ [`Java`]   Apr 2013 – Aug 2014 | CZE
  - ○ Implemented UAV (a.k.a. drone) collision avoidance protocol for Air traffic management simulation
  - ○ Analyzed and optimized route generation heuristic by extrapolating the collision-based utility values

OTHER PROJECTS & PUBLICATIONS

- **ICNSC 2017** ⚹ **(Intl. Conference)**: Clustering techniques for data network planning in Smart Grids ⚹
- **Fraud Detection in Energy Grid**: Neural Networks, Decision Trees, Fuzzy Logic, Genetic Algorithms
- **Memetic algorithm for Traveling Salesman Problem**: Genetic Algorithm with local search
- **Other ML**: Transfer learning (TensorFlow), Simple client-side ML (TensorFlow.js), Color quantization (Matlab)

SKILLS

- **Languages, Libs, Tools**: Python, SQL, shell, sklearn, pandas, git, Java, C#, Matlab | Eng, Por, Cze, (Ger)
- **Competencies**: AWS, AI/ML, Data eng., data solution architecture, communication, leadership (in progress)

EDUCATION

- **Federal University of Pará (UFPA)** ⚹ *MSc – Applied Computing: Artificial Intelligence* Belem, PA, BRA
- **Kansas State University (KSU)** ⚹ *MSc period – Comp. Science (intl. exchange)*   Manhattan, KS, USA
- **Czech Technical University (CTU)** ⚹ *BSc – Computer and Informatic Science*   Prague, CZE
- **Extra**: Azure ML Scholarship (Udacity), Data Science (AWS, Udemy), Data Engineering (Coursera, Qwiklabs)