ERNESTA **PETRAITYTĖ**
FULL-STACK SOFTWARE ENGINEER

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🪪 Lithuanian

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SKILLS

Programming Languages
Python, JavaScript, TypeScript, R, Perl, Java, C#

Web Frameworks & Libraries
React, Next.js, Django, Redux, FastAPI, React-Native

UI/Styling
AntDesign, StyledComponents, Material UI, Tailwind

Testing
Pytest, Jest, Cypress

DevOps & Tools
Apache Airflow, Docker, Git, Unix Commands

Databases & Data Tools
PostgreSQL, Apache Superset, OpenSearch, GraphQL, SQLAlchemy, Alembic

SOFT SKILLS

Communication
Teamwork/Collaboration
Adaptability
Positive Attitude
Willingness to Learn
Attention to Details
Work Ethic

PROFILE

As a developer, I am a well-organized and creative person who enjoys learning new things and appreciates existing ones in a dynamic, fast-paced environment. My ability to adapt quickly and work efficiently both as a team member and independently was shaped by the experience I gained throughout my career.

WORK EXPERIENCE

Full-Stack Engineer | CERN, RCS-SIS-TS   09/2021 - 08/2024
Meyrin, Switzerland

- **Apache Airflow DAGs:** Designed, developed, and maintained workflows for efficient data processing, utilizing third-party APIs and harvesting data from FTP and SFTP sources. Worked with Docker files, contributed to GitHub workflows for CI/CD, and wrote unit and integration tests using pytest.
- **Django Backend Development:** Enhanced backend functionality by developing features, creating RestAPIs, and contributing to optimizing searches by using OpenSearch.
- **Frontend Involvement:** Expanded full-stack capabilities by handling selected frontend tasks with Next.js and AntDesign.
- **Monitoring Project & Stakeholder Collaboration:** Played a key role in a monitoring project, collaborating closely with stakeholders and using Apache Superset for data visualization. Demonstrating good communication, active listening, and presenting ideas confidently.
- **Projects Involved:** SCOAP3, Monitoring

| Python | Pytest | Apache Airflow | Docker | PostgreSQL |
| Django | OpenSearch | JavaScript | Next.js | Ant Design |

Full-Stack Engineer | CERN, EP-CMG-CO   02/2020 - 08/2021
Meyrin, Switzerland

- **DQM GUI Development:** Redesigned and developed the CMS Data Quality Monitoring (DQM) GUI Frontend using Next.js and TypeScript. This work improved user interaction, ensuring an intuitive experience for physicists monitoring particle collision data.
- **On-Call Support (DOC Role):** Served as the lead DOC, providing on-call support to assist users with issues across the CMS DQM system. This role involved troubleshooting, resolving problems quickly, and ensuring minimal downtime for the system.
- **Support for Multiple Applications:** Provided support for various web applications maintained by the DQM group.
- **Projects Involved:** DQM GUI

| Next.js | Ant Design | TypeScript | StyledComponents | Python |

WORK EXPERIENCE

Front-End Developer | Dekbera   02/2019 - 05/2020
Vilnius, Lithuania

- **Emergency Services Software**: Contributed to the development of a web application for ambulance dispatch. Utilized React and Material UI for Front-End development, Jest and Cypress for testing to ensure a seamless user experience.
- **Independent Project Management:** Entrusted with managing my own project early on, which significantly improved my Front-End development skills and ability to work independently.
- **Supportive Environment**: Benefited from a highly supportive supervisor, which accelerated my learning and skill acquisition.

React   Redux   JavaScript   Jest   Cypress

EDUCATION

Oulu University of Applied Sciences   01/2023 - 06/2024
Master of Business Administration in   Oulu, Finland
Modern Software and Computing Solutions   (Remote)

Vilnius University   09/2016 - 07/2020
Bachelor in Bioinformatics   Vilnius, Lithuania

Palanga Stasys Vainiūnas Art School   09/2009 - 06/2013
Fine Arts   Palanga, Lithuania