Andrei Mischenkov

Software Engineer Specializing in Data Engineering and Big Data Solutions

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ABOUT

Currently residing in Belgrade and available for global opportunities, I am a highly skilled Software Engineer with 3 years of professional experience in the dynamic technology sector.

My deep passion for cutting-edge innovations fuels my specialization in the intersection of software development and data engineering. My expertise lies in the design, development, and optimization of data-centric applications, where I continuously strive for performance excellence and reliability. Combining technical knowledge, curiosity, and dedication, I am uniquely positioned to make a significant impact in data-driven environments.

EXPERIENCE

VK — Moscow, Russia
Software Engineer · Data Office — *Jan 2022 - Present*

- **NPS Analytics Service**: Engineered a comprehensive analytics system that provides actionable competitive insights by analyzing customer survey data, using backend development and secure authorization services.
- **Pulse - Social Media Monitor**: Initiated the design of a proprietary service that tracks and analyzes organizational social media trends, through optimization of data pipelines and formulation of complex data retrieval queries.
- **DataPortal - Internal Analytics Tool**: Participated in developing an inclusive internal analytics tool for detailed user insights within the holding company, via backend development and data engineering.
- **Ip2Geo - IP Mapping Service**: Created and maintained data engineering pipelines for accurate IP to GeoID mapping, incorporating VPN detection, enhanced accuracy, expanded coverage, and rigorous data validation.

Lia Chat — Moscow, Russia
Software Engineer · Core — *Jul 2021 - Jan 2022*

- **Omnichannel Solution Integration**: Developed a dynamic framework that streamlined the process of creating integrations, which effectively reduced the time required for a chatbot to interact via new omnichannel services from two weeks to two days.
- **ML Response Processing**: Established a robust service that proficiently handles responses from machine learning services, managing an average traffic load of around 100 requests per second (RPS).
- **Client-Specific Data Extraction**: Led the setup of Airflow and design of a flexible DAG architecture for periodic, bespoke data extraction, utilizing extensive data analytics and the Python library, Pandas.

Autodrive Agency — Moscow, Russia
Junior Software Engineer · Automation — *Jan 2021 - Jul 2021*

- **SEO Report Streamlining**: Automated the SEO reporting process via a Telegram bot integrated with Google Docs and SEO metric portals, resulting in a 75 percent reduction in report production costs.
- **Comprehensive Ad Campaigns Tracking**: Developed an integrated CRM that consolidates various advertising metrics and implemented a feature for budget tracking across different advertising platforms.
- **Semantic Car Search Microservice**: Directed the creation, deployment, and continuous maintenance of a specialized microservice that enhances car search functionality using semantic analysis and synonyms.

QSoft — Moscow, Russia
Software Engineering Intern · Support — *Oct 2020 - Jan 2021*

- **Technical Support**: Facilitated seamless integration with CRM systems and payment gateways.

EDUCATION

Gubkin Russian State University of Oil and Gas — Moscow, Russia
Bachelor of Petroleum engineering CGPA 3.08/4

PROGRAMMING SKILLS

Languages: Python , Scala   **Technologies:** Kubernetes , Docker , Airflow , Spark , Clickhouse , GitLab CI