

Способы связаться

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Основные навыки

Python

Заявки на внесение изменений

Корректирующее действие

Languages

Русский (Native or Bilingual)

Английский (Elementary)

Украинский (Native or Bilingual)

Сербский (Limited Working)

Certifications

Data Analytics Essentials

Специализация Prompt Engineering

Python Project for Data Science

Collaborate on Files in Slack: Local & Google Drive Integrations

Generative AI for Executives and Business Leaders

Andrej Dunajev

Chief Engineering Expert in the Project Management Department
Белград, Сербия

Общие сведения

Highly qualified energy infrastructure expert with 18+ years of experience in managing large-scale gas pipeline and compressor station projects. Skilled in project coordination, FEED documentation, stakeholder and supplier negotiations. Strong background in digital transformation and automation of engineering workflows.

Experienced in optimizing technical documentation by implementing automated change management systems, data structuring, and analytics. Developed custom tools in Excel (Power Query) and Python to improve efficiency, ensure compliance, and reduce project risks.

Familiar with Agile/Scrum practices and iterative delivery in multidisciplinary teams.

For me, professional growth is not just about climbing a career ladder, but about expanding horizons and applying expertise where it creates the most value. I believe in building systems that make complex processes transparent, reliable, and future-ready.

Key areas of expertise:

- Project coordination and lifecycle management (FEED → design → construction → operations).
- Leadership of gas pipeline and compressor station projects.
- Design and engineering software (AutoCAD, SolidWorks, Kompas 3D).
- Data analytics: Python, Excel (Power Query), dashboarding, reporting.
- Prompt Engineering & AI tools for process automation.
- Regulatory compliance: PED, ATEX, Ex, CE.
- Certified in IBM Data Analytics, Project Management, Ex equipment, ISO 9712 Visual Inspection.

Passionate about data-driven solutions, AI integration, cybersecurity in engineering projects, and sustainable energy development. Open to opportunities in gas, nuclear, and broader energy projects.

Опыт работы

IDC d.o.o.

6 лет 6 месяцев

Chief Engineering Expert in the Project Management Department

марта 2022 - августа 2025 (3 года 6 месяцев)

Belgrade, Serbia

- Globally: Comprehensive Documentation Support: Full technical support provided for project and operational documentation, including pre-commissioning and commissioning documents, for the main gas pipeline, site facilities, and a compressor station.
- In depth knowledge of installed systems: knowledge of all technical systems at facilities (main gas pipeline, compressor station, and facilities at several sites), their interaction, and components. Understanding and formatting RFQ packages, which enabled effective problem solving and decision making on technical solutions.
- Checklist Development: Detailed checklists for equipment maintenance developed based on manufacturer documentation, covering all elements of the pipeline system, site facilities, and the compressor station. Application of innovative methods for document search and document management.
- Subcontractor Oversight: review, verification of subcontractor reports. Statistics maintained and recurring issues during technical maintenance monitored. Automated the process of generating comment sheets for documents (Creating files using Python).
- Analysis of trends and equipment status. Developed graphical programs for big data analysis based on Python. Trained colleagues.
- EPC Contract Support: Analytical data and technical conclusions prepared for EPC contract documentation to address questions and resolve disputes with third parties.

- Developed technical justifications and investigated project decisions to support the legal department in resolving disputes and claims, producing approximately 120 visual analytical reports that compared design documentation with as-built conditions for use in claims and counterclaims.
- As-built Documentation Updates: Updated approximately 350 documents (mechanical drawings, electrical diagrams, instrumentation, automation tables, and settings), bringing them up to date and reflecting the actual status after identifying discrepancies. Using Autocad and Kompas 3D.

Chief Engineering Expert in the Project Implementation Department
марта 2019 - марта 2022 (3 года 1 месяц)
Belgrade, Serbia

- Project Coordination: Led the implementation of a large-scale infrastructure project, including a compressor station and a 400 km main gas pipeline section. Ensured adherence to timelines, budgets, and project milestones.
- FEED & Detailed Design: Oversaw FEED documentation and finalization of Detailed Design for gas pipelines and compressor stations.
- Design Doc.: Managed the preparation and coordination of design documentation, ensuring effective communication and input integration among design institutes (e.g. Saipem, Giprogaztsentr, Putinvest, Delta Engineering). Processed approximately 20,000 documents in various specializations.
- Documentation Control & Automation: Implemented MDR/MDI procedures for documentation numbering and automated data storage, which accelerated access to project files.
- Procurement & Vendor Relations: Coordinated RFQ processes and developed procurement packages (PO), ensured manufacturers understood project requirements. Maintained strong collaboration between vendors, contractors, and customers (e.g. Siemens Energy, Comita, Norrexim, MSA, Altus).
- Contract management: participated in the coordination of the technical and design aspects of contracts. Approximately 20 contracts.

- Regulatory Compliance: Directed the Detailed Design process in line with Serbian legislation (PGD/PZI/PIO). Supervised the submission and approval of documentation by expert authorities.
- Construction Support: Collaborated with construction teams to address on-site issues and ensure accurate as-built documentation (RLMU red lines). Supervised field engineering activities to maintain project integrity.
- Risk & Safety Management: Participated in HAZOP reviews (pipeline and gas metering station), identifying risks and implementing measures to enhance operational safety.
- Equipment Certification: Assisted in the preparation of certification documents for PED, ATEX, Ex, and CE compliance, ensuring alignment with international standards.

ООО "Газпром инвест"

Junior Project Coordinator (Chief Specialist in Project Design and Survey Works Management)

сентября 2015 - сентябрь 2017 (2 года 1 месяц)

St. Petersburg, Russian Federation

Coordinated a portfolio of 8 + large-scale gas and infrastructure projects valued between \$30 M and \$23 B, aligning schedules across 6 departments; Validated cost estimates for design and survey phases under senior oversight, contributing to the development of synchronized project schedules that boosted forecast accuracy by 5-10%

Facilitated collaboration among contractors, project teams, and operating companies by producing weekly status reports and identifying risks early—reducing potential timeline slippage by 5-10%.

Managed multidisciplinary engineering correspondence and documentation, ensuring 100 % completion of contractor deliverables within established deadlines.

Conducted proactive stakeholder communication on official company forms —averaging 15 correspondences per day with the Investor, Operations, and Design Institute (excluding email)—to streamline approvals and keep all parties aligned.

Resolved contractual issues and monitored contractor performance against ISO-aligned and Gazprom Standard.

Documented and tracked action items in ~250 stakeholder meetings, ensuring a 93-95% completion rate.

Kubanvodproekt OJSC (ОАО Кубаньводпроект)

Lead Design Engineer for Pipeline Systems

октября 2014 - августа 2015 (11 месяцев)

Krasnodar region, Russian Federation

- Participated in the creation of a new department specializing in the design of trunk pipelines, which included the organization of work processes for interaction between departments and the implementation of standards for the new division of the company.
- Developed design documentation for trunk pipelines, including plans, specifications and calculations.
- Performed technical expertise of design solutions developed by other design institutes in order to optimize costs and improve quality and compliance with regulatory requirements. Proposed project optimizations for renegotiation with the Customer during construction of the project.
- Technical support with the customer's inspectors (technical explanations on engineering issues on the project).
- Participated in negotiations and working meetings with stakeholders, presenting technical aspects of projects.

YUZHNIIGIPROGAZ PJSC – ПАО "ЮЖНИИГИПРОГАЗ" (ЮНГГ)

8 лет 3 месяца

Lead Design Engineer for Pipeline Systems

августа 2008 - октября 2014 (6 лет 3 месяца)

Donetsk, Ukraine

2013

Projects:

- Transmission Gas Pipeline "South Stream" (Republic of Bulgaria).
- Reconstruction of BCS-1,2 at Orenburgskoe NGKM.

Role: Lead Design Engineer for Pipeline Systems.

Responsibilities: Design and optimization of key pipeline systems, gas receiving terminal, and collaboration with all project institute departments.

Results: Implementation of 3D design solutions and the resulting increase in project productivity by 50% in terms of time.

Impact of previous achievements since 2006: Between 2008 and 2013, 3D design solutions optimized the design processes for trunk pipelines by 50% in terms of build and approval time - reducing project delivery times. For the South Stream project, designed the intake terminal including pig launcher/receiver, valve assemblies, and completed all drawings and specifications in SolidWorks. Processes were optimized and integrated into AutoCAD for the job.

2008

Projects:

- Gas Transportation System (GTS) Bovanenkovo–Ukhta.
- Development of Achimov deposits (Urengoy Field, Samburg License Area).

Role: Lead Design Engineer for Pipeline Systems.

Responsibilities: Development of design solutions for gas transportation systems, site facilities for trunk pipelines, author supervision, and collaboration with all project institute departments.

Results: Reducing design time by using 3D methods, optimizing design processes (linking Excel and Autocad) and reducing errors.

Design Engineer for Pipeline Systems

августа 2006 - августа 2008 (2 года 1 месяц)

Донецк, Донецкая область, Украина

Personal Achievements:

Introduced 3D design in SolidWorks in 2006.

Developed a 3D database of dynamic pipeline elements, automating drawings and specification creation for export to AutoCAD. These innovations significantly optimized design processes.

Projects:

- Dzuarikau–Tskhinval Gas Pipeline.
- Development of South-Russian Oil and Gas Condensate Field.

Role: Design Engineer for Pipeline Systems.

Responsibilities: Development of technological solutions for site facilities, author supervision.

Results: Smooth project execution and successful commissioning of infrastructure.

Образование

Donetsk National Technical University

Expert, Equipment for chemical plants and enterprises of building materials · (2001 - 2006)