Tereshkin Oleksandr
Senior Full Stack Developer
7+ YEARS OF EXPERIENCE

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Portfolio

With a passion for programming ignited at the age of 14, I have embarked on a journey of continuous growth and achievement. Since my first year of university, I have been actively involved in the professional realm, gaining invaluable experience along the way. Skilled in project management and diverse programming languages including TypeScript Go, Python.

Additionally, I co-founded a startup venture with a group of talented colleagues. Regrettably, unforeseen circumstances, including a war, led to the dissolution of the team. Nevertheless, this experience taught me valuable lessons about resilience, adaptability, and the importance of teamwork.

Seeking a new opportunity to contribute to something incredible.

FRONTEND
TypeScript, JavaScript, React, **Vue.js**, Vuex, redux-toolkit, MobX, WebRTC, Fabric, D3, ApexChart, HTML, atomic, CSS, SCSS, jest, ajv, MUI, webpack, css-modules, storybook

BACKEND
Node.js, Python, **FastApi**, Flask, Golang, **Mongo**, **SQL**, Postgres, MVC

ENVIRONMENT & COMMON
Docker, VirualBox, HTTP, WebRTC, RPC, WebSocket, REST, OOP, SOLID, DRY, KISS

MANAGE & DESIGN
Figma, **Notion**, Waterfall, Agile, SCRUM, Jira, Confluence, BitBacket, YouTrack, Trello, Miro, AdobeXD

EDUCATION
2016 - 2020, BSc with Honours, KNU
Information computing technology

2020 - 2022, MSc, KNU
Information computing technology

CERTIFICATES
Cisco Networking Academy
- Cisco, Introduction to NetworksBachelor
- Cisco, Programming Essentials in Python
- Cisco, Routing and Switching Essentials
- Cisco, Introduction to Cybersecurity

EXPERIENCE

FOUNDER (START-UP)   Nov, 2022 – May, 2023
- Developed music recognition and sharing service across diverse sources.
- Built a robust CI/CD pipeline encompassing backend services, IOS app deployment to TestFlight, Android app packaging to APK, and web deployment using GitHub Actions and AWS (EC2, S3).
- Developed a cross-platform application using Flutter, ensuring seamless functionality on Android, IOS, and web platforms.
- Implemented audio decoding and playback features for streaming services on Android and IOS, utilizing proprietary Flutter-plugins and programming languages such as Java/Kotlin and Swift.
- Leveraged API integrations to enhance application functionality and connectivity, while employing GoLang for the central monolith and Python and Node for microservices.

SENIOR FULL STACK ENGINEER   Nov, 2020 – Nov, 2022

5g Networks
- Performed analysis and problem-solving for 3GPP, 4G/LTE, 5G, and O-RAN architectures.
- Designed and developed a user-friendly interface, ensuring a comfortable and intuitive experience for users.
- Led system design efforts, collaborating with a team of dozens of engineers to architect robust and scalable solutions.
- Developed an automated interface generation system using YANG models, enabling efficient DSL-based interfaces.
- Implemented a DSL-based interface with full-text search and XML-tree validation/generation capabilities.

Middleware Analysis Platform   **Portfolio**
- Designed and developed interfaces utilizing micro-frontend architecture.
- Designed visually engaging interfaces capable of effectively visualizing and presenting large volumes of data.
- Developed Python-based microservices to efficiently store and visualize data, ensuring seamless functionality.
- Implemented robust logging using Zipkin for query tracking, while leveraging Logstash and Elastic for log storage.
- Utilized 'out-of-the-box' solutions to design DSL and interfaces for hierarchical control system rights, employing RBAC (Role-Based Access Control) at the application level to ensure secure access across multiple products.

SENIOR FRONTEND ENGINEER   Jun, 2020 – Nov, 2020   FGP

Freeze - online viewing room   [Portfolio](#)   [Product](#)

- Led and trained a team of engineers, overseeing task control, sprint preparation, and maintenance processes.
- Successfully finalized and redesigned both the mobile application and web version, enhancing user experience and functionality.
- Implemented OAuth and two-step verification via SMS, ensuring secure access and integration with RESTful API.

Neo4Web   [Portfolio](#)

- Developed a real-time streaming application specifically for Unreal Engine.
- Collaborated as part of a 10-member team, including Unreal Engine (UE) and backend developers.
- Designed and supported interface integration for WebRTC across various browsers and operating systems.
- Conducted thorough testing and bug fixing across different environments using remote machines, Virtual Boxes, and physical devices.
- Implemented command and data exchange functionality between the client and the Unreal Engine application.

FULLSTACK DEVELOPER   June, 2019 – June, 2020   Echo

Bike.net: social network for bikers   [Portfolio](#)   [Product](#)

- Effectively allocated tasks and responsibilities between frontend and backend developers, ensuring efficient collaboration and workflow management.
- Streamlined and simplified the conversion process of work-flow documentation, descriptions, and processes, enhancing team productivity and understanding.
- Successfully updated the current project state to align with modern requirements and industry best practices.
- Developed a search engine utilizing Solr and MySQL database, facilitating efficient and accurate data retrieval and search functionalities.

Tinder-like Game for Durex   [Portfolio](#)

- Conducted comprehensive revisions of an existing project, addressing issues, adding new features, and enhancing overall functionality.
- Performed code proofreading, debugging, and optimization to improve the project's stability and performance.
- Successfully implemented a push notification system, enabling real-time notifications and enhancing user engagement.
- Developed an admin panel to facilitate content control and management, providing an intuitive interface for efficient administration.

JUNIOR FULL STACK DEVELOPER   Jan, 2017 – June, 2019   Private practice / freelance

- Designed and developed a system utilizing a messenger bot and online schedule to facilitate audience discovery for the internal university website.
- Developed an application for visualizing and analyzing Apache server logs, providing valuable insights into server performance and user behavior.
- Created a cloud file manager with robust file-sharing capabilities, incorporating RBAC (Role-Based Access Control) for secure and controlled file access.
- Successfully completed an Internship at the Institute of Artificial Intelligence of Ukraine, gaining hands-on experience in various aspects of AI, including text classification and fundamental methodologies.
- Studied and implemented key techniques such as tokenization, vectorization, lemmatization, logistic regression, and Random Forest in the context of natural language processing and machine learning.