

# Petro Hordienko

## Software Engineer

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📍 Poznan, Poland

## SUMMARY

Results-driven Software Engineer with a strong track record of designing, building, delivering innovative solutions across multiple industries. Over the years, continuously exploring and mastering emerging tools, frameworks, languages and technologies to stay ahead in a rapidly evolving field. Recognized for leading cross-functional teams, translating complex technical challenges into actionable, high-impact outcomes.

Commits to empowering startups to succeed by transforming ideas into reliable, user-centric products. Bridges the gap between technology and business strategy, ensuring that every solution not only works technically but also delivers measurable value.

Focuses on exploring the intersection of decentralized and traditional finance, combining crypto and fiat systems to redefine how people experience and interact with money.

Believes in the transformative potential of AI, using Narrow AI today to improve existing solutions, optimize processes and create practical value. Envisions Super AI as the future driver of smarter, more efficient products and entirely new ways to deliver value, opening opportunities that are currently impossible.

## EDUCATION

### Master's degree: Computerization of Information Processing and Management

National Aerospace University "Kharkiv Aviation Institute"

📅 09/2017 - 06/2019 📍 Kharkiv, Ukraine ⏲ Full-time

### Bachelor's degree: Information Technology Expert

National Aerospace University "Kharkiv Aviation Institute"

📅 09/2013 - 06/2017 📍 Kharkiv, Ukraine ⏲ Full-time

**Skills:** C++ · DigitalOcean · PHP · Node.js · Lua · AngularJS · Laravel · GCP · Bare-Metal Solution · Express · Ingress-Nginx · PostgreSQL · WebSocket · Scalability · Microsoft Azure · React.js · DevOps · C# · Java · Flask · MongoDB · Django · Network Design · Firebase · MySQL · Project Management · Software Architecture · High Availability · Docker · C · AWS · Redis · Mission Critical Environments · Python

## EXPERIENCE

### Principal Software Engineer · Octocleanse

📅 08/2024 - 11/2025 📍 Remote ⏲ Full-time

Led the development and delivery of the OctoIQ Cleansing Platform, transforming raw, unstructured data into high-quality information for analytics, reporting through intelligent profiling, adaptive anomaly detection, seamless imputation and human-in-the-loop decisioning.

Directed end-to-end design, from extracting, profiling datasets and assessing quality across completeness, consistency, accuracy, integrity to orchestrating automated cleaning workflows and modular agents, while embedding prompt-engineering best practices to optimize AI interactions. Enabled organizations to trust their data for decision-making, turning flawed inputs into reliable, actionable insights within a multi-workspace, scalable environment.

**Skills:** Dataset profiling & Quality scoring · ETL · Data Analysis · LLM · Prompt engineering · RAG · ReAct Prompting · Human-in-the-loop workflows · Model Context Protocol · Modular Agent Orchestration · Software Architecture · Full-Stack Development · Python · Go · Node.js · React.js · FastAPI · Express · Web Worker · DevOps · GitOps · CI/CD

### Senior Software Engineer · Wowsy

📅 04/2024 - 07/2025 📍 Remote ⏲ Part-time

Delivered an innovative symphony of audio tracks, seamlessly blending multiple sources into a harmonious single output for a groundbreaking real-time audiobook streaming solution. Integrated real-time transmission protocols, orchestrating a flawless audio experience. Led collaborative sessions with stakeholders to compose requirements, crafting scalable

components that resonated with precision and stability. Guided by technical expertise, delivered a symphony of success within scope, orchestrating an unforgettable performance that surpassed client expectations.

**Skills:** Go · DigitalOcean · Flask · PostgreSQL · GitOps · gRPC · React.js · Full-Stack Development · Freeswitch · Container Orchestration · High Availability · Docker · Scalability · DevOps · Network Design · VoIP · CI/CD · Software Architecture · Python · Ingress-Nginx · WebSocket · Terraform · WebRTC · Software Development · Microservices

## • Chief Technology Officer · Exbi Trade

 12/2022 - 12/2023  Dubai, United Arab Emirates 

Managed the technology division, guiding the platform through rapid innovation and growth while aligning all technology initiatives with business goals and market demands. Directed a talented team of developers, engineers and IT professionals, fostering a culture of collaboration, continuous learning and operational excellence. Defined the technical vision, architectural roadmap and directed the development of advanced trading tools and blockchain solutions.

Streamlined development processes through agile leadership, enhancing operational efficiency and delivering high-quality, scalable solutions. Implemented robust security protocols, ensuring the protection of user assets and data, while maintaining compliance with regulatory standards.

Adopted best practices in software architecture, microservices and cloud computing, championing innovation and emerging technologies to position Exbi Trade as a pioneer in the cryptocurrency trading space. Engaged stakeholders to integrate technical strategies with business objectives, driving platform growth, improved user experience, and delivering a secure, reliable, and advanced trading environment.

## • Principal Software Engineer · Exbi Trade

 09/2022 - 11/2022  Dubai, United Arab Emirates 

Led the enhancement of blockchain technology and trading tools for a pioneering cryptocurrency exchange, optimizing the core architecture for secure, efficient and scalable trading processes. Integrated fintech innovations that improved user experience and trading accuracy while streamlining operations with reliable, high-performance tools and features.

Implemented advanced security measures to protect user assets and data, ensuring compliance with industry standards. Collaborated with cross-functional teams to drive platform growth, applying agile methodologies, Behavior-Driven Development, and Domain-Driven Design to create robust, mission-critical systems.

Key achievements included deploying highly available, scalable microservices with Kubernetes, Terraform, and DevOps practices, delivering resilient, enterprise-grade solutions that supported rapid growth and trading reliability.

**Skills:** Agile Leadership · Software Architecture · Go · FastAPI · Lua · Smart Contracts · Node.js · ELK · Flask · Trading · PostgreSQL · GitOps · gRPC · Reactjs · Full-Stack Development · HDWallet · Bare-Metal Solution · Container Orchestration · High Availability · Docker · Scalability · DevOps · Behavior-Driven Development · Network Design · MongoDB · ArgoCD · Jaeger · Service-Oriented Architecture · Moralis · Solidity · Infura · MySQL · Next.js · CI/CD · TypeScript · Web3 · MariaDB · Amazon Web Services · Prometheus.io · Redis · Strategic Planning · Kubernetes · web3.js · InfluxDB · Express · Python · Ingress-Nginx · Mission Critical Environments · Grafana · WebSocket · Terraform · EVM Blockchain · Ethereum · Software Development · Project Management · Domain-Driven Design · Microservices

## Senior Software Engineer · Bistox Exchange

 06/2021 - 08/2022  Dubai, United Arab Emirates 

Contributed to a pioneering cryptocurrency exchange platform by enhancing core trading systems and blockchain architecture, ensuring secure, reliable, and scalable operations capable of handling high-volume transactions. Introduced innovative tools, automation and process improvements that increased transaction efficiency, accuracy and system resilience, while implementing robust security protocols to safeguard user assets and maintain full regulatory compliance.

Collaborated closely with cross-functional teams, including product, operations and compliance, to align technical initiatives with business objectives, drive platform growth and deliver the user-centric solution.

Played a key role in designing and deploying mission-critical trading solutions, optimizing system performance and ensuring continuous availability in high-pressure trading environments. Actively contributed to strategic planning, architecture optimization and operational best practices, supporting the long-term scalability and reliability of the exchange.

**Skills:** Go · Ruby · RoR · Smart Contracts · Node.js · Trading Engine · PostgreSQL · React.js · Java · MongoDB · Jaeger · Service-Oriented Architecture · Moralis · Solidity · Infura · Next.js · TypeScript · Web3 · MariaDB · AWS · Redis · Kubernetes · web3.js · Express · Grafana · WebSocket · Terraform · EVM Blockchain · Software Development · Microservices

## Chief Technology Officer & Co-Founder · DevStation

17/06/2020 - 03/2021 🇺🇦 Kharkiv, Ukraine ⏲ Full-time

Founded and managed a dynamic technology team providing comprehensive outsourcing and outstaffing services to clients worldwide. Directed the end-to-end delivery of MVPs, from market research and product design to development, testing and successful launch, ensuring solutions met client needs and business objectives.

Established high standards for quality, innovation and operational excellence, driving the adoption of best practices across software architecture, agile development and scalable system design. Guided clients through complex technical challenges, delivering reliable, high-impact solutions that exceeded expectations and supported business growth.

**Skills:** Agile Leadership · Project Management · Go · DigitalOcean · FastAPI · Lua · Node.js · Elastic Stack · Flutter · Flask · PostgreSQL · GitOps · gRPC · React.js · Full-Stack Development · Container Orchestration · High Availability · Docker · Scalability · DevOps · React Native · Network Design · MongoDB · ArgoCD · Google Cloud Platform · Jaeger · Service-Oriented Architecture · Angular · Vue.js · MySQL · Next.js · Django · CI/CD · TypeScript · MariaDB · Software Architecture · Amazon Web Services · Prometheus.io · Redis · Strategic Planning · Kubernetes · Express · Python · Microsoft Azure · Ingress-Nginx · Mission Critical Environments · Grafana · WebSocket · Terraform · Webrtc · Firebase · PHP · Laravel · Software Development

## Software Engineer · Chanty

17/05/2018 - 12/2019 🇺🇦 Kharkiv, Ukraine ⏲ Full-time

Contributed to the development of the AI-powered team chat platform, by leading the implementation of conference calls leveraging PBX systems, seamless integrations with multiple external services, secure OAuth 2.0 authentication, robust push notifications, and advanced automation workflows via Zapier and IFTTT. These enhancements significantly improved platform functionality, reliability, and user experience, enabling greater collaboration, efficiency and productivity for businesses.

Collaborated closely with product, design and QA teams to define requirements, optimize workflows and ensure high system reliability and scalability. Introduced automation and integration best practices that reduced operational overhead and accelerated feature delivery. Contributed to the architecture and backend optimization, ensuring performance under high load and mission-critical usage scenarios.

**Skills:** Node.js · Full-Stack Development · Freeswitch · C++ · Zapier · High Availability · Docker · Scalability · DevOps · Traversal Using Relays around NAT · Network Design · MongoDB · Voice over IP · Service-Oriented Architecture · Angular · TypeScript · Amazon Web Services · Redis · C · Express · Ionic Framework · Session Initiation Protocol · WebSocket · Webrtc · Building Automation Systems · Software Development · MCU · Microservices

## Full Stack Engineer · Voypost

17/11/2017 - 03/2021 🇺🇦 Remote ⏲ Part-time

Contributed to the growth and innovation of a dynamic P2P delivery startup by designing and implementing scalable, high-performance web and mobile solutions. Developed and deployed end-to-end applications that supported rapid prototyping and iterative development cycles, enabling the startup to accelerate product delivery and respond quickly to market needs.

Implemented robust, cloud-native architectures and leveraged container orchestration and DevOps practices to ensure system reliability, scalability, and maintainability. Collaborated with cross-functional teams to optimize workflows, streamline operations and enhance the user experience, delivering efficient and seamless platform functionality across web and mobile environments.

**Skills:** Kubernetes, HA, Scalability, Microservices, ELK, Golang, Node.js, Python, Java/Kotlin, Objective-C/Swift, Kotlin, Typescript, React.js, React Native, GraphQL, gRPC, WebSocket, RabbitMQ, PostgreSQL, Redis, TDD, Cypress, JUnit, Postman, Pytest.

## Full Stack Engineer · MaybeWorks

17/06/2016 - 05/2018 🇺🇦 Kharkiv, Ukraine ⏲ Full-time

Designed and developed advanced CRM and ERP systems tailored for medium-sized businesses, and hybrid mobile applications to meet modern user demands. Engineered scalable SaaS solutions for startups, leveraging cutting-edge technologies including JavaScript frameworks (AngularJS, Angular 2/4, React.js, Node.js, Express, Ionic). Utilized robust databases such as MySQL, PostgreSQL, and MongoDB to ensure data integrity and performance. Successfully deployed and managed these applications on leading cloud platforms like AWS and Google Cloud, optimizing for reliability, scalability, and efficiency.

**Skills:** Node.js, Express, PHP, Laravel, AngularJS, Typescript, React.js, Angular, Vue.js, Python, Django, Flask, PostgreSQL, MySQL, MongoDB, Docker, Jest, Mocha, PHPUnit, Pytest.