

Bohdan Tomchyshen

Python Software Developer

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SUMMARY

Senior Python Backend Developer with 4+ years of professional experience designing and delivering scalable backend systems across fintech, ERP, CRM, blockchain, and high-load Telegram-based platforms.

Strong experience working with Python (FastAPI, Django), TypeScript (Hono), PostgreSQL, Redis, Docker, and Linux-based environments. Skilled in building systems from scratch and extending existing production platforms, including database architecture design, integrations with blockchain nodes and exchanges, and development of complex financial workflows processing millions of USD daily.

Proven experience leading backend teams of up to 10 engineers, conducting code reviews, defining infrastructure and architecture decisions, and introducing standardized engineering processes that accelerated project delivery across multiple teams.

Comfortable working both independently and directly with international clients, as well as within distributed engineering teams in fast-paced product environments.

EXPERIENCE

TypeScript Developer

07/2025 - 11/2025

BeFund, Web3 Game Development

- Developed backend services for a Telegram-based crypto game using TypeScript, Hono framework, and Drizzle ORM, implementing scalable APIs and game logic services.
- Implemented integrations with external services, analytics platforms, and monitoring dashboards supporting gameplay metrics, operational insights, and user engagement tracking.
- Designed scalable backend architecture supporting statistics processing, gameplay features, and real-time service interactions.
- Implemented payment-related workflows and cron-based notification systems supporting automated user communication and in-game activity flows.
- Collaborated with cross-functional team members and contributed to maintaining code quality standards in a fast-paced crypto gaming environment.

Technical Lead

11/2024 - 11/2025

BeFund

- Led a backend engineering team of 10 developers, providing technical guidance, conducting code reviews, and organizing internal knowledge-sharing sessions and technical lectures to improve team capabilities.
- Defined backend infrastructure strategies, database architecture approaches, and technical direction across multiple projects, aligning engineering decisions with long-term scalability and delivery efficiency goals.
- Restructured development workflows after previous leadership transition, introducing standardized project templates, deployment configurations, and reusable infrastructure setups, significantly reducing project startup time and accelerating delivery cycles across teams.
- Acted as technical lead for the architecture and delivery of a large-scale ERP/CRM platform for a manufacturing and multi-channel sales company, including database architecture design, legacy system integration, technology selection, and coordination between developers, managers, and client stakeholders.
- Led legacy system integration and data migration strategy as part of ERP platform modernization, ensuring continuity of business-critical workflows during transition to the new system.
- Mentored backend engineers and supported technical decision-making processes across projects, contributing to team growth and engineering quality standards.

Middle Python Developer

11/2023 - 11/2024

BeFund

- Designed and developed multiple production-grade Telegram and Discord bots implementing automation workflows, integrations with external services, and user interaction logic for business and community use cases.
- Contributed to the backend development of an NFT marketplace platform for researchers, enabling authentication via academic identity providers and Google OAuth, and supporting article import workflows from external scientific platforms.
- Implemented citation graph generation and processing features for scientific publications, including handling graph structures with up to 6,000 nodes representing article relationships and references.
- Implemented functionality for generating NFTs based on scientific publications, ensuring proof of originality and uniqueness using blockchain-backed verification mechanisms.
- Developed a multi-channel integration platform supporting Facebook, Instagram, Telegram, Slack, and Discord APIs, enabling unified interaction workflows across multiple communication ecosystems.
- Contributed to backend development of a custom ERP platform for a US-based company, implementing business workflows and integrating ERP functionality with external CRM systems to improve operational efficiency.

Junior Python Developer

02/2023 - 11/2023

Avivi.info

- Contributed to the backend development of a high-load Telegram-based cryptocurrency wallet as part of a team of 6 backend developers, participating in the full product lifecycle from architecture implementation to production release.
- Implemented blockchain interaction via third-party APIs enabling deposit, withdrawal, and transaction history functionality; later migrated integrations to direct interaction with internal blockchain nodes (Tron, Bitcoin, Litecoin, Binance Smart Chain, Ethereum) to improve reliability and operational control.
- Integrated cryptocurrency exchange APIs (Binance, HTX, Kraken) enabling asset swaps, limit orders, and liquidity management directly within the Telegram wallet workflow.
- Integrated AML compliance workflows via external verification services and implemented multilingual support and two-factor authentication (2FA), improving platform security and regulatory readiness for international fintech operations.
- Implemented complex internal transaction workflows handling deposits, fee processing, asset transfers to exchanges, and optimized routing logic for cost-efficient transaction execution.
- Contributed to a production system processing millions of USD in daily transaction volume and supporting hundreds of active users.
- Developed administrative reporting tools supporting financial analytics and export functionality (Excel, PDF, CSV) for operational monitoring and accounting workflows.

Junior PHP Developer

10/2021 - 02/2023

Avivi.info

- Developed a custom PDF generation module using PDF Forms for a Canadian construction company, supporting 10+ document templates with over 50 dynamic fields each, replacing multiple manual workflows and spreadsheets and reducing administrative processing time by 2+ hours per order cycle.
- Implemented advanced role-based access logic and functional segmentation within Bitrix24 CRM for an organization of 300+ employees, improving usability, data security, and workflow separation across multiple departments.
- Collaborated directly with an international client for ~1 year in English, gathering requirements, delivering custom CRM features, and maintaining continuous feedback cycles with consistently positive stakeholder evaluation.
- Developed custom integrations with Ukrainian postal service APIs to streamline order processing workflows and implemented low-level adjustments to printing libraries to support client-specific label printer requirements.
- Maintained and extended legacy Bitrix24 CRM modules, improving stability and adapting functionality to evolving business requirements.
- Deployed and configured Bitrix24 CRM environments from scratch on CentOS servers, including installation, configuration, and production setup for client projects.
- Developed multiple custom Bitrix24 modules and integrations for various small and mid-sized client projects, working directly with the Bitrix24 source code to extend core functionality according to business needs.
- Worked in a distributed development team, collaborating with backend developers, frontend developers, and project managers using Git-based workflows.

EDUCATION

Computer Engineering 09/2024 - Present
Khmelnitskiy National University - Master's degree

Computer Engineering 09/2020 - 06/2024
Khmelnitskiy National University - Bachelor's degree

CERTIFICATES

Microservices Architecture: A Conceptual Overview ↗ 10/2025 - Present

SKILLS

Python	Expert	Docker	Advanced
FastAPI	Expert	Redis	Advanced
Django	Expert	Git	Expert
TypeScript	Intermediate	API	Expert
PostgreSQL	Advanced		

LANGUAGES

Ukrainian	Native	German	Basic
English	Intermediate		