

Artem Pasichnik

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Experience

WaterGuru, Software Engineer

Dec 2022 – Present

- Engineered backend for smart IoT water quality monitoring platform supporting **25,000+ active pool sensors**, processing real-time chemistry data to generate automated treatment recommendations based on multi-parameter analysis of pH, chlorine, alkalinity, and temperature metrics
- Optimized database query patterns and implemented caching layer that **reduced API response latency by 60%**, directly improving user experience for time-sensitive water chemistry alerts
- Built end-to-end chemical ordering and fulfillment system integrating with regional distributors' inventory APIs, enabling **same-day delivery for 85% of orders** and driving **35% revenue increase** over subsequent eight-week period
- Built and deployed B2B partner system for large pool-operating companies representing **300+ commercial pools**

ePeople, Junior Software Engineer

Feb 2022 – Nov 2022

- Developed core modules for HRM system handling **employee scheduling, time tracking, and payroll processing** for mid-sized organizations
- Built automated shift assignment integration with scheduling service that **eliminated manual data entry for 500+ employee schedules**, reducing administrative overhead by **20%**
- Implemented custom audit reporting dashboard enabling managers to track employee performance metrics, overtime patterns, and attendance compliance across departments

Technologies

Languages: Java, Python, JavaScript • **Frameworks:** Spring (Boot, Web, Data, Security, Cloud), Quartz • **Databases:** PostgreSQL, DynamoDB, MySQL, Redis • **Infrastructure:** Gradle, Docker, Kubernetes, AWS, Git, Travis CI, Grafana, Prometheus

Projects

OTP Server – Self-Hosted OTP Service

GitHub

- Built secure, self-hosted One-Time Password (OTP) management service written with Spring Boot which provides a robust backend for managing TOTP/HOTP authentication codes with user accounts, multi-factor authentication, and backup capabilities
- Containerized application with Docker and deployed on Kubernetes cluster with **horizontal pod autoscaling** and health monitoring, demonstrating enterprise deployment patterns

Search4Flat – Real Estate Aggregation Bot

GitHub

- Developed asynchronous Telegram bot aggregating apartment listings from **multiple real estate platforms**, implementing custom web scrapers with duplicate detection to deliver instant notifications for new postings
- Built notification system for tracking user search criteria and filtering duplicate listings across multiple sources

Education

ITMO University, BS in Information Technologies and Programming

Sep 2020 – Jun 2024

- **GPA:** 3.9
- **Relevant Coursework:** Algorithms & Data Structures, Distributed Systems, Computer Architecture, DevOps Practices, Database Systems