Artem Pasichnik

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Experience

WaterGuru, Software Engineer — Dec 2022 – Present

- Developed backend for microservice-based IoT platform monitoring water quality across **25,000+ pools, processing 3M+ events daily**. Participated in decomposing monolithic Lambda architecture into microservices (device management, telemetry, water chemistry analysis, notifications, B2B integrations), supporting personalized recommendation engine based on multi-parameter analysis
- Designed state machine-based chemical ordering system with integration of 5 regional distributor APIs and DoorDash, implementing failover mechanisms for external system outages and intelligent routing to optimal suppliers based on geolocation and inventory, achieving **85% same-day delivery rate**
- Designed and implemented multi-tenant B2B platform serving 300+ commercial facilities with **hierarchical RBAC model** (organization admin → property manager → maintenance staff), providing REST API for property management system integrations

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:** Kafka, Gradle, Docker, Kubernetes, AWS, Git, Travis CI, Grafana, Prometheus

Projects

OTP Server – Self-Hosted OTP Service — GitHub

- 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

- 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**: 3.7
- **Relevant Coursework:** Algorithms & Data Structures, Distributed Systems, Computer Architecture, DevOps Practices, Database Systems