P A

Software Engineer, 4+ years experience
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I have over 4 years of commercial experience working with Python backend development. Most of my work is around building APIs, data processing services and distributed backend systems. I feel comfortable working with frameworks like Django, FastAPI and Flask, and also with databases such as PostgreSQL, Redis, MongoDB and ClickHouse. I also worked a lot with AWS environment, containerization (Docker, Kubernetes) and CI/CD pipelines.

INDUSTRIES: Web Development

TECHNICAL SKILLS

• Django	4 years
• Django REST Framework	4 years
• FastAPI	4 years
• SQL	4 years
• Pydantic	4 years
• Flask	4 years
• Alembic	4 years
• Celery	4 years
• OAuth2	4 years
• Keycloak	4 years
• JWT	4 years
• Openpyxl	4 years
• Aioboto3	4 years
• Stripe	4 years
• Httpx	4 years
• Pytest	4 years
• SwaggerAPI	4 years
• OpenAPI	4 years

SOFT SKILLS

Communication, Teamwork, Time management, Critical thinking

PROJECT DETAILS

• Advertising platform June-2024 - November-2025

Project Description: Development of a high-load advertising platform for personalized delivery of ads to users of instant messengers, Internet browsers and social networks. The platform uses algorithms for analyzing user preferences and matching keywords for precise ad targeting. Advertisers are provided with an analytical panel that provides data on user behavior, engagement and campaign effectiveness in real time.

Responsibilities: - Backend development; - Designing and developing RESTful APIs using FastAPI; - Optimization of data access and analytics based on - PostgreSQL (via Asyncpg) and ClickHouse, including indexing setup and SQL query optimization; - Implementation of NoSQL MongoDB storage for storing user messages; - Implementation multi-level caching using Redis to speed up data access; - Integration of authentication and authorization system based on Keycloak with OAuth2.0 support; - Setting up a monitoring and logging system: collecting metrics via Prometheus, alerting and visualization in Grafana, error tracing with Sentry; - Setting up and managing Kafka message queues, developing producers and consumers; - Coverage of key functionality with unit and integration tests using Pytest and Httpx, integration with GitLab pipeline; - Containerization of all services using Docker, environment setup via docker-compose; - Deployment and orchestration of microservices in a Kubernetes cluster; - Development and support of CI/CD pipelines; - Preparation of technical documentation, API description using Swagger/OpenAPI; - Collaboration with DevOps and frontend teams to ensure fault tolerance and scalability of services.

Technologies: Python, FastAPI, PostgreSQL, Asyncpg, SQLAlchemy, Alembic, Pydantic, MongoDB, Redis, ClickHouse, Kafka, Keycloak, OAuth2, SMTP, Httpx, Prometheus, Grafana, Sentry, Pytest, Swagger API, Docker, Docker-compose, Kubernetes, GitLab CI/CD, Nginx, GitLab

Industry: Web Development

• Replenishing platform March-2023 - May-2024

Project Description: A platform for replenishing advertising accounts on Instagram and TikTok with a reduced commission and automatic generation of documents after each successful transaction. Users make payments through corporate advertising accounts, which ensures stability and simplifies the process. Integration with payment gateways is supported for flexible work with various payment methods. An analytics and reporting module has also been implemented for managing advertising budgets and monitoring transaction history.

Responsibilities: - Development and maintenance of RESTful API using FastAPI and Pydantic; - Integration with the Stripe payment gateway for conducting and verifying transactions, working with webhook notifications; - Organizing asynchronous task processing with Celery and Redis: document generation, transaction updates, notifications; - Automatic generation of reporting documents in Excel (.xlsx) format using Openpyxl; - Working with PostgreSQL (AWS RDS): schema design, migrations via Alembic, SQL query optimization; - Caching and storing temporary data in Redis (AWS ElastiCache) to speed up API response; - Storing generated documents in S3 with access control via presigned URL; - Collect metrics and logs via Amazon CloudWatch, set up alerts and notifications via SNS; - Security: HTTPS, data encryption, setting up IAM roles and access policies; - CI/CD automation on GitLab CI: building Docker images, running tests (Pytest), deploying; - API Documentation via OpenAPI (Swagger UI); - Conducting code reviews, participating in architectural discussions.

Technologies: Python, FastAPI, Stripe SDK, Celery, Redis, PostgreSQL, SQLAlchemy, Alembic, Openpyxl, Docker, aioboto3, AWS (ECS, ECR, S3, ElastiCache, RDS, ALB, SNS, CloudWatch, IAM), Pytest, OpenAPI, GitLab CI/CD, GitLab

Industry: Web Development

• Estimation app June-2021 - February-2023

Project Description: n application for working with accounting estimates and invoices in the construction industry. It covers the full life cycle of documents: creation, filling, editing, approval and confirmation. Work with different types of estimates is supported, each of which undergoes an individual processing route in the relevant departments. The system automates document flow, ensuring transparency and ease of approval.

Responsibilities: - Development of server logic and API; - Extending the Django admin panel with new sections and features; - Optimizing a PostgreSQL database through index tuning, normalization, and performance analysis; - Implementation of key application functions; - Writing background tasks using Celery and Celery Beat; - Integration with external services and APIs; - Setting up file uploads to AWS S3; - Writing data migrations; - Updating and writing technical documentation to describe APIs, architecture and processes; - Help with setting up CI/CD processes GitHub Actions; - Optimizing SQL queries to reduce load and speed up selections; - Configure CloudWatch metrics to monitor system health; - Debugging and refactoring existing code; - Test automation.

Technologies: Python, Django, Django REST Framework, Celery, Celery Beat, PostgreSQL, Redis, boto3, AWS(S3, RDS, ECS, ECR, CloudWatch), Pytest, Swagger API, Docker, Docker Compose, Bash scripting, GitHub Actions, GitHub.

Industry: Web Development

EMPLOYMENT HISTORY

• Software Engineer

Description: Building PoCs and MVPs, collaborating closely with AI and mathematical modeling experts to develop and test prototypes.

EDUCATION

• Bachelors degree in Computer networks and systems from - 2019 - 2023

LANGUAGES

• English - intermediate

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