

# DASTAN ABRAKHMANOV

## Senior Software Engineer | Python Backend Developer | Domain Driven Design • Event Modeling • TDD

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Backend-focused Senior Software Engineer with over a decade of hands-on experience designing scalable, testable, and maintainable systems. Specialized in Python, Domain-Driven Design, Event Modeling, and Hexagonal Architecture. Passionate about Test-Driven Development and building systems that serve real-world, human-centered impact. Experience in mission-driven companies, AI platforms, and data systems.

**Languages:** Python (Expert), Javascript, Typescript, Java, Dart, Golang

**Technologies:** Django, FastAPI, Flask, PostgreSQL, Redis, RabbitMQ, Docker, Kubernetes, Nginx, GitLab CI, Linux

**Architecture** Domain-Driven Design, Event Modeling, Hexagonal Architecture, Microservices

**Practices** Test-Driven Development (TDD), Continuous Integration, Vertical Slicing, Agile Delivery

### PROFESSIONAL EXPERIENCE

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#### Senior Software Engineer

Munich, Germany

##### ORBEM

January 2024 -

- Leading backend development for automating AI-driven MRI platforms used in animal welfare and agricultural optimization.
- Designed modular microservices using Python with a focus on testability and maintainability.
- Wrote and maintained comprehensive unit and integration test suites using a strict TDD approach.
- Applied Domain Driven Design and Event Modeling to structure backend systems around clear business logic.

#### Software Engineer

Munich, Germany

##### ORBEM

May 2022 -

- Maintained core backend services powering industrial hardware deployments.
- Developed data pipelines for AI data collection and annotation workflows.
- Supported DevOps tasks, cloud deployments, and system integration efforts.

#### Python Engineer Mentor + Code Reviewer

Remote

##### YANDEX.PRACTICUM

July 2020 – May 2022

- Mentored 100+ developers in Python, Django, Docker, REST API design, and deployment
- Taught TDD, unit testing, CI/CD pipelines, and clean code practices
- Reviewed code for structure, readability, and professional standards
- Helped students land roles at top firms including Yandex and EPAM

#### Full Stack Python engineer

Remote

##### QARA PRODUCTION – CONTRACT

May 2020 – Nov 2021

- Built a mobile-optimized web platform using Django, Wagtail CMS, PostgreSQL, Docker
- Managed full lifecycle development including frontend (JS), deployment, and SEO performance

#### Full Stack Python engineer

Remote

##### TOPKIDS OU – CONTRACT

Dec 2019 – Mar 2020

- Developed an eCommerce platform using Django Oscar, PostgreSQL, and Stripe integration

#### Full Stack Python engineer

Almaty, Kazakhstan

##### AVVA GROUP LTD – CONTRACT

Feb 2016 – Jun 2017

- Led a remote Python team building a multi-tenant eCommerce solution
- Integrated Paybox.Money, RetailCRM, and added custom modules

### EDUCATION

#### UNIVERSITY OF LONDON (International programs)

Sept 2015 - June 2017

**Bachelor of Information Systems and Management** (completed 1/3 of the degree)

#### RICE UNIVERSITY

May 2014 - December 2014

**Fundamentals of Computing Specialization** (Coursera)

### CLIFTON STRENGTHS HIGHLIGHTS

Sept 2024

**Learner | Relator | Restorative | Harmony | Intellection**

These strengths shape my approach to deep technical problem-solving, trust-based collaboration, and long-term systems thinking.