

Sina Lalehbakhsh

Django Backend Engineer
Data • Performance • Scalability



Professional Summary

Backend engineer specialized in Django and FastAPI, focused on building scalable, secure, and high-performance data-driven systems.

Experienced in ORM optimization, asynchronous processing, database performance tuning, and production-ready backend architecture.

I am a backend engineer specialized in Django and FastAPI, with a strong focus on ORM optimization, high-performance APIs, asynchronous processing, and scalable data-driven systems.



- Foundational Cloud Practitioner – Arvan Academy



- Associate DevOps Engineer – Arvan Academy



- Python Programming – Harvard (EDX)



- Open-source contributor & package publisher on PyPI

Specialized accounts



- <https://pypi.org/user/sinalalebakhsh/>



- <https://github.com/sinalalebakhsh>



- <https://stackoverflow.com/users/17351206/sina-laleh-bakhsh>

Released packages



- <https://pypi.org/project/git-auto-django/>



- <https://github.com/sinalalebakhsh/acronproject>
- <https://github.com/sinalalebakhsh/push-py>

My career journey



2010 – 2020

- Python fundamentals & programming basics

2020– PRESENT

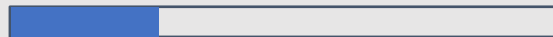
- Python, Django, Git, Linux, Docker, Bash
- Backend system design & DevOps fundamentals

2021 – PRESENT

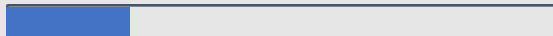
- **Professional GitHub presence**
- **Open-source & production-ready backend projects**

Core skills: Django Foundations

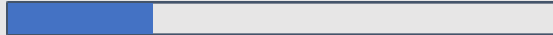
Core skills: Backend Engineering



Advanced Django ORM (query optimization, annotations, prefetch/select related)



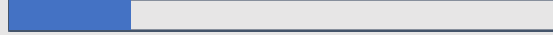
Security best practices (auth, permissions, SQL injection prevention)



Async & concurrency (async views, background tasks, Celery concepts)



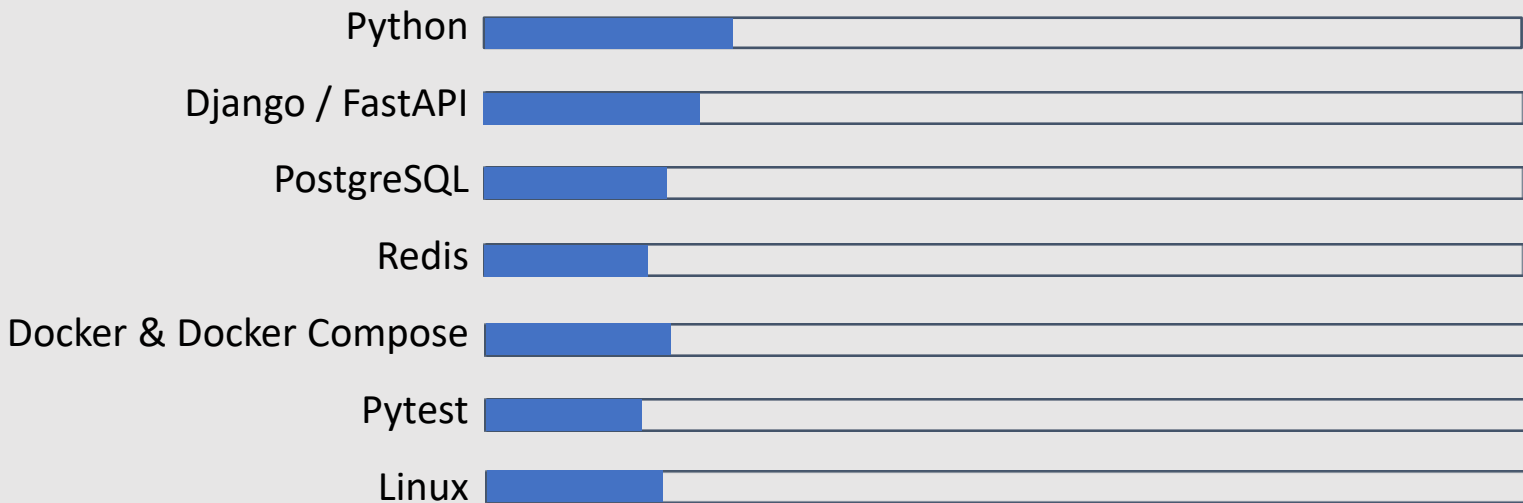
Django REST Framework & API design



FastAPI for high-performance async APIs



Core skills: Django Foundations



Deploy & DevOps

Deploy & DevOps



Docker & Docker Compose (multi-service architecture)



Environment-based configuration



CI-ready containerized applications



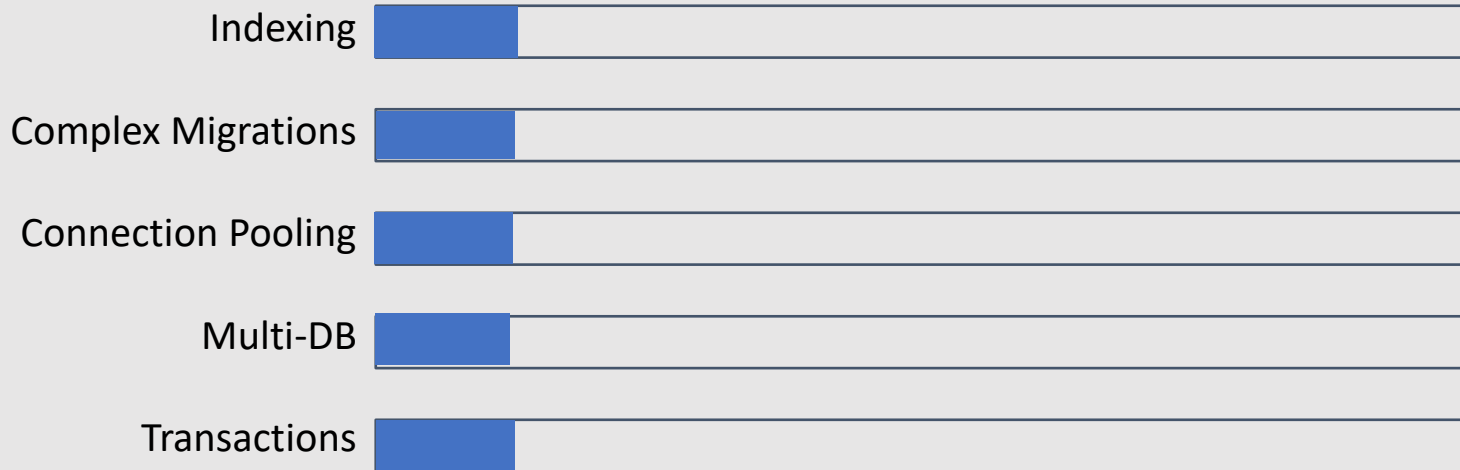
Production tuning and reverse proxy setup (Nginx)



Backup and recovery strategies

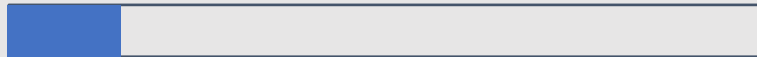


Database Management

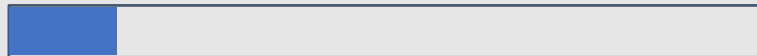


Performance Optimization

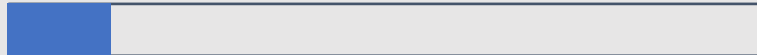
Performance Optimization



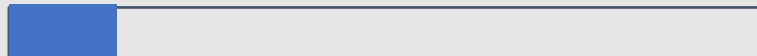
ORM query profiling & optimization



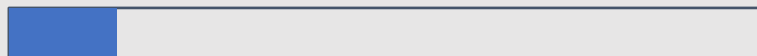
Caching strategies (Redis, per-view, low-level cache)



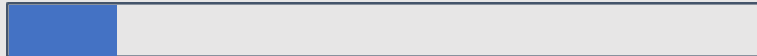
Async endpoints for I/O-bound tasks



Pagination strategies for large datasets

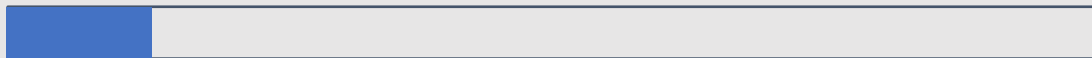


Lazy vs Eager loading



Monitoring & Debugging

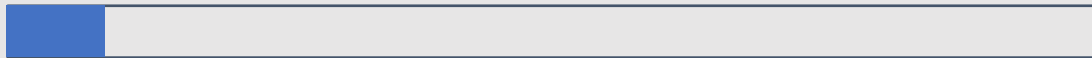
Slow Queries



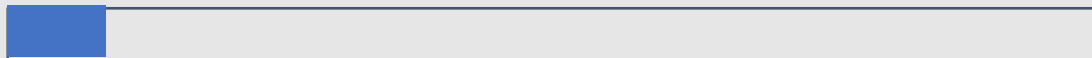
APM Tools



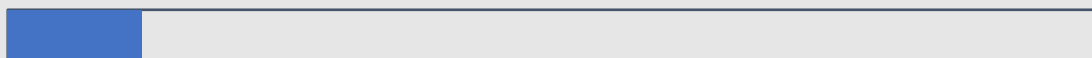
Structured Logging



Metrics

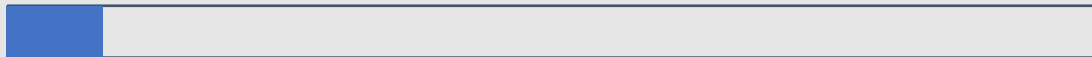


Health Checks

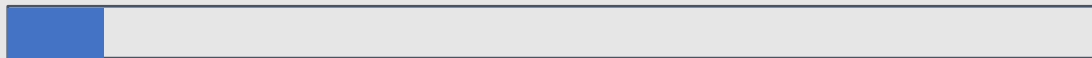


Large Scale Data

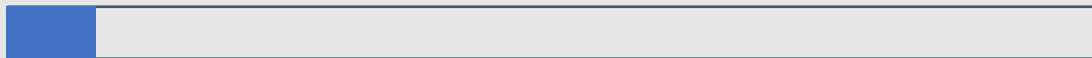
Efficient Pagination



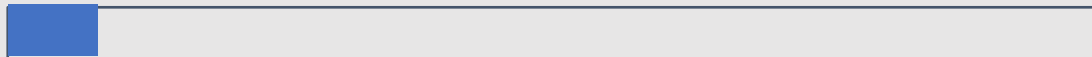
Bulk Operations



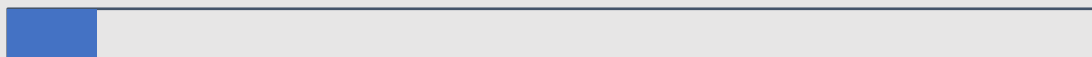
Background Tasks



Cron Jobs

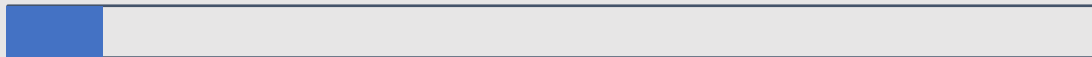


Window Functions

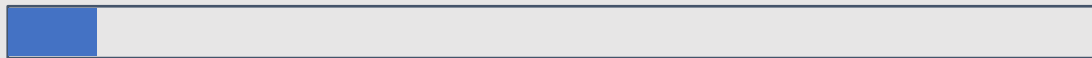


Scalability

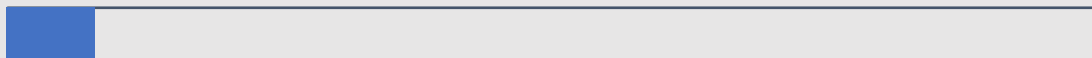
Stateless Design



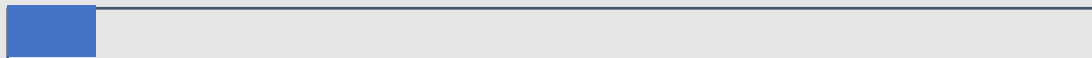
Message Queues



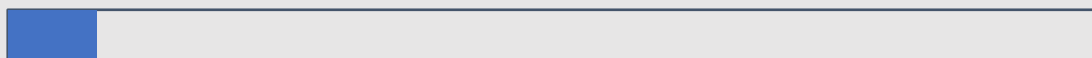
Caching Patterns



Read Replicas

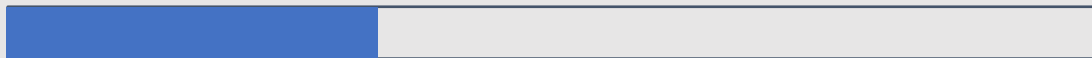


Sharding

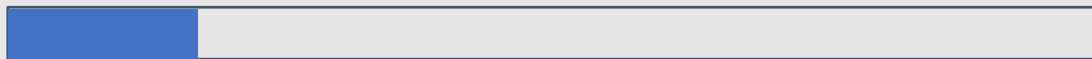


Data Security

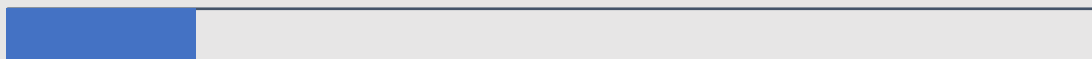
SQL Injection Prevention



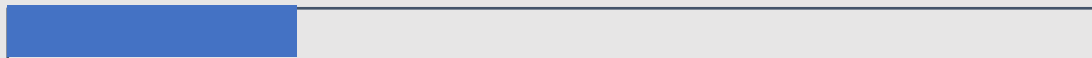
Encryption



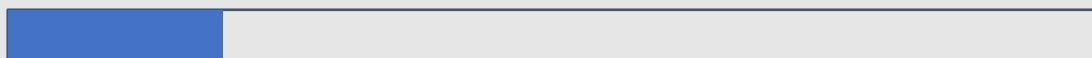
Rate Limiting



API Security



Audit Logs

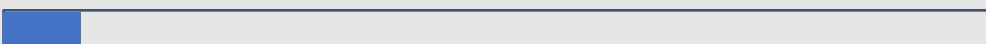


Testing & Quality

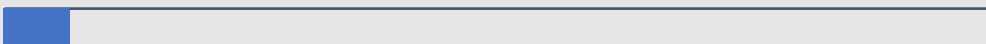
Testing & Quality



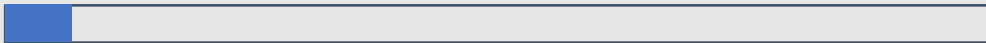
Unit & integration testing with pytest



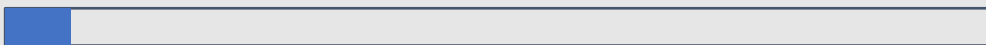
Database & ORM tests



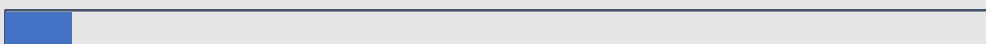
API testing



Load & performance testing basics

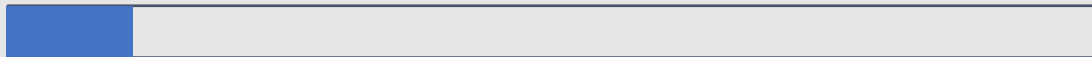


CI pipeline readiness

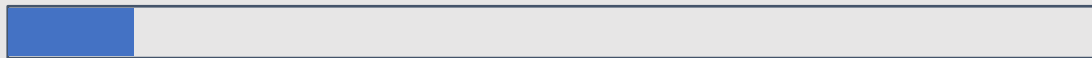


Data & Analytics

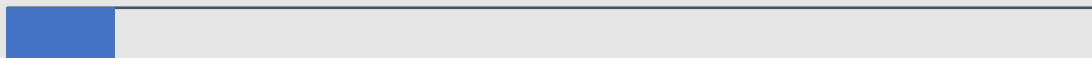
Analytical APIs



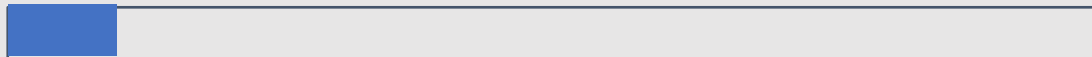
Aggregations



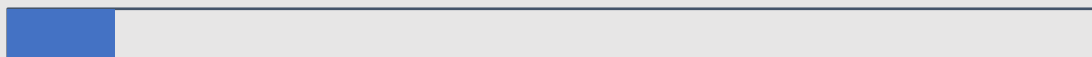
Materialized Views



Data Export

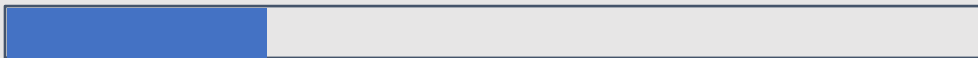


Analytics Integration

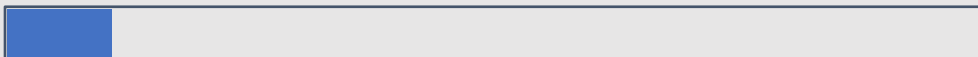


Side skills

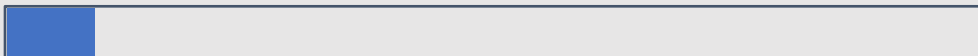
JavaScript (fundamentals)



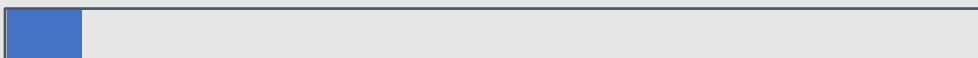
React (basic integration)



Grafana & monitoring tools



ELK stack familiarity



Art impact & Creative Background

- Background in Visual Communication and graphic design
- Practical experience in sculpture and 3D artistic forms
- Logo and visual identity design with conceptual focus
- Portrait drawing and painting with attention to detail and expression



Education history

2011

Geraphic-
Kamalolmolk

2020

Python Harvard
EDX.com

2025

Associate DevOps
Engineer

2025

Foundational Cloud
Practitioner

Connect with me

LinkedIn

<https://www.linkedin.com/in/sinalalebakhsh/>

Github

<https://github.com/sinalalebakhsh>

Email

sinalalehbakhsh@gmail.com

Arvan Academy

<https://academy.arvancloud.ir/members/0bbb1ece/>



Connect with me

Cellphone **09126507649**

WhatsApp **09126507649**

Telegram urs: sinalalebakhsh

BlueSky <https://bsky.app/profile/sinalalebakhsh.bsky.social>



Media work (educational content production)

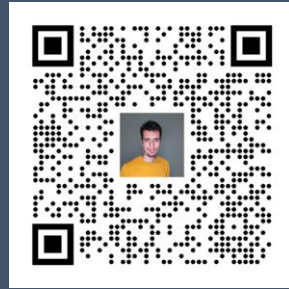


2020 – NOW



<https://www.youtube.com/@acronproject>

[Click here ...](https://www.youtube.com/@acronproject)



2025 – NOW



<https://t.me/acronproject>

[Click here ...](https://t.me/acronproject)



2023 – NOW



<https://www.instagram.com/acronproject>

[Click here ...](https://www.instagram.com/acronproject)

DevOps Engineer

سینا لاله خبش



ASSOCIATE

03/12/2025

Verified by ArvanCloud



 arvancloud

CS50 Certificate

CS50 congratulates

sina lalebaksh

on completion of CS50's Introduction to
Programming with Python, including
nine problem sets and one final project.

Awarded from Cambridge, Massachusetts,
in the year two thousand twenty-two.



David J. Malan
Gordon McKay Professor of the Practice of Computer Science
Harvard University



<https://cs50.harvard.edu/certificates/1781a94b-6648-4aae-8080-d406e59cf351>



Cloud Practitioner

سینا لاله خبش



FOUNDATIONAL

16/12/2025

Verified by ArvanCloud



 arvancloud

Focused on building scalable, secure, and high-performance backend systems with modern Python technologies and production-ready architecture.

Sina Lalehbakhsh