THEODOROS MANGAS

Backend Python/Django Engineer (Full-Stack Capable)

Komotini, Greece | EU Remote
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PROFESSIONAL SUMMARY

Backend-focused Python/Django engineer with 6+ years of experience building production systems, REST APIs and automation pipelines. Comfortable owning architecture, implementation and deployment. Full-stack capable (JavaScript/Bootstrap) but specialized in backend reliability, performance, and maintainable design.

CORE SKILLS

- **Backend:** Python, Django, Django REST Framework, REST API design
- **Auth:** authentication, permissions, role-based access control
- **Databases:** PostgreSQL, MySQL, indexing, query tuning
- **Architecture:** OOP, modular design, SOLID principles
- **Data & Files:** secure uploads/downloads, validation, bulk processing
- **Frontend:** JavaScript, AJAX, HTML/CSS, Bootstrap
- **DevOps:** Linux deployment, Docker environments
- **GIS:** spatial workflows, data processing pipelines

ENGINEERING PRACTICES

- Defensive programming & validation layers
- Logging-first troubleshooting mindset
- Performance tuning & ORM optimization
- Secure file handling patterns
- API versioning & backward compatibility

Python · Django · DRF · REST
PostgreSQL · MySQL · Linux · Docker

EXPERIENCE

Software Engineer — Independent Development   2021 – Present
Backend-focused Python/Django systems

- Designed and implemented production Django backends and REST APIs.
- Built reusable Python modules for data processing and automation.
- Implemented secure bulk-file pipelines and validation routines for unreliable input data.
- Optimized database queries/ORM performance and improved reliability under load.
- Maintained Linux deployments and production workflows (configs, logs, releases).

Land Surveyor & GIS Analyst   2014 – Present
Spatial data processing & automation

- Automated spatial workflows and data validation using Python scripting.
- Processed large mapping datasets and supported GIS deliverables for submissions.

EDUCATION

B.Sc. Surveying & Geoinformatics Engineering
TEI of Central Macedonia

CERTIFICATION

Advanced Python Developer Certificate
PeopleCert (2022)

LANGUAGES

Greek (Native) · English (Fluent)