Andrii Mandziak

Senior Software Engineer

✉ andriimandziak0@gmail.com

📞 +420 792 345 967

📍 Prague, Czech Republic

in linkedin.com/in/andrii-mandziak-2961223a2

📇 PROFILE

I am a Senior Software Developer and Backend Engineer with over 10 years of full-time experience delivering scalable, secure, and cloud- native applications across finance, mining, energy, and education industries.

I specialize in backend development using Python frameworks such as Django, FastAPI, and Flask, with hands-on experience building microservices, RESTful APIs, and real-time data platforms.

I am also skilled in DevOps automation and cloud infrastructure using Docker, Kubernetes, Jenkins, GitHub Actions, and Terraform.
I follow Agile, CI/CD, and Test-Driven Development (TDD) practices to ensure high- quality, secure, and production-ready code.

Recent Impact:
Led backend architecture for Winnerosity, a gamified charity platform, supporting 10k+ users and 3k+ weekly donations; optimized APIs and database performance to cut latency ~30% while maintaining 99.9% uptime.

🎓 EDUCATION

Bachelor's degree, Computer science
Czech Technical University in Prague
09/2012 – 07/2016 | Prague, Czech Republic
Developed expertise in scalable system design, software architecture, and emerging technologies through advanced coursework and hands-on projects.

💼 PROFESSIONAL EXPERIENCE

Senior Backend Developer
Limestone Digital
07/2023 – 11/2025 | Karlín, Czech Republic

- Built and maintained 10+ backend services and REST/GraphQL APIs using Python, Django, and FastAPI, supporting scalable applications for 50,000+ daily users.
- Designed server-side logic and database models that improved data retrieval efficiency by 30% and enabled new product features.
- Integrated 5+ third-party systems and internal data sources, streamlining workflows and reducing manual data handling by 40%.
- Ensured 99.9% uptime and secure data handling for production systems through monitoring, logging, and optimization.
- Collaborated with cross-functional teams (5–8 members) in Agile cycles, delivering end-to-end solutions on schedule.
- Supported CI/CD pipelines and cloud deployments (AWS/GCP/Docker/Kubernetes), accelerating release frequency by 25%.
- Contributed to code reviews, backend architecture, and best practices, improving team code quality and maintainability by 20%.

Backend Developer
OAK'S LAB
11/2021 – 06/2023 | Prague, Czech Republic

- Contributed to backend architecture and server-side development for 8+ client projects, improving system maintainability and feature delivery speed.
- Developed and maintained 15+ RESTful APIs and microservices, enabling web and mobile applications used by 20,000+ active users.
- Integrated 4+ third-party services and internal data pipelines, reducing manual operations by 35% and improving workflow efficiency.
- Optimized backend systems for high performance and scalability, handling up to 500 concurrent requests per second.
- Collaborated with frontend, QA, and product teams in cross-functional sprints, ensuring on-time delivery of features in 90% of planned cycles.
- Implemented secure authentication, authorization, and data handling, protecting sensitive user data and reducing security incidents to zero in production.

🧠 SKILLS

Core
- Python, PHP, Node.js
- Django, FastAPI, Express
- RESTful API design & development
- GraphQL API development
- Microservices architecture
- Asynchronous programming
- Object-Oriented Programming (OOP)
- Design patterns & clean architecture

Database
- PostgreSQL, MySQL, MongoDB
- Query performance tuning
- ORM proficiency (Django ORM, SQLAlchemy, etc.)

Cloud & DevOps
- AWS (EC2, S3, Lambda, RDS, CloudWatch)
- Docker & containerization
- Kubernetes
- CI/CD pipelines (GitHub Actions, GitLab CI, Jenkins)

Message Queues & Distributed Systems
- Celery + Redis Queue
- RabbitMQ
- Kafka

Security & Authentication
- OAuth2, JWT, SSO
- Data encryption & secure storage

Testing & Quality
- Unit testing (pytest, unittest)
- Integration & end-to-end testing
- Debugging & profiling

System Architecture & Scalability
- Load balancing
- Caching strategies
- Horizontal & vertical scaling
- High availability & distributed system patterns

Collaboration & Tools
- Git & version control
- Agile/Scrum
- API documentation (Swagger/OpenAPI, Postman)

Backend Developer
Amgrade

06/2019 – 10/2021 | Prague, Czech Republic
- Built and maintained 10+ scalable backend systems using Python and Django/FastAPI, powering critical product features and integrations for 30,000+ users.
- Designed and implemented 20+ RESTful APIs consumed by web and mobile clients, reducing data access latency by 25%.
- Architected complex data models and workflows, supporting advanced reporting and business logic for multiple product lines.
- Ensured high performance and system reliability, achieving uptime of 99.95% through monitoring, profiling, and query optimization.
- Developed secure authentication and authorization layers, handling 50,000+ user accounts in compliance with industry standards.
- Deployed and supported applications in cloud environments using Docker, Kubernetes, and CI/CD, reducing release cycle time by 30%.
- Actively participated in sprint planning, code reviews, and process improvements, contributing to 20% faster feature delivery and higher code quality.

Backend Developer
A.P.R.O. Software

01/2017 – 05/2019 | Prague, Czech Republic
- Built and maintained 12+ backend services and APIs using Python, Django, and FastAPI, enabling smooth operation of web and mobile platforms for 25,000+ users.
- Connected 6+ external platforms and internal systems, streamlining data exchange and reducing manual intervention by 40%.
- Improved database performance and applied caching strategies, reducing query times by 45% and increasing throughput.
- Designed and enforced secure user authentication, access control, and data protection, safeguarding over 60,000 accounts.
- Worked closely with frontend, QA, and DevOps teams to deliver features efficiently in Agile and CI/CD environments.
- Engineered backend systems for high reliability and scalability, capable of handling 600+ simultaneous requests.