



Boris Bodor

Full-Stack Developer & AI Engineer

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Novi Sad, Serbia

SUMMARY

Full-Stack Developer with 6 years of experience building web applications, from React frontends to full-stack work with Python/Django and Next.js, across FinTech, E-commerce, Marketing and SaaS domains, and more recent hands-on experience as an AI developer. In my current role I have delivered backend and frontend features for a multi-brand SEO services platform and, alongside client work, developed LLM-based systems: a multi-agent database migration tool on the Claude Agent SDK and an agentic voice assistant with tool calling and RAG.

EXPERIENCE

Full-Stack Developer & AI Engineer

11/2025 - Present

AngryLynx · Novi Sad, Serbia (Hybrid)

Multi-Brand SEO Services Platform · US digital marketing client

- Full-stack development of an ordering and fulfillment platform that replaced three legacy products with one REST API: a Django backend serving three Next.js frontends, built by a team of 10-15 developers across the US and Serbia.
- Built backend features in Django and DRF on PostgreSQL, Celery and Redis (modular monolith, 27+ apps): credits and billing, coupons and promotions, bulk order write-offs, fulfillment workflows, campaigns and role-based permissions.
- Automated order status changes with Django signals, implemented subscription-based campaign renewals via billing webhooks and moved business logic into a service layer.
- Built admin and client portal features in Next.js, React and TypeScript: user impersonation with role-based routing, order and campaign management, purchase history and bulk write-off screens.
- Covered features with Behave (BDD) and Django tests, working through Jira tickets and pull request reviews.

AI Systems

- **Multi-agent migration system:** developed a multi-agent system on the Claude Agent SDK that plans legacy-to-new database migrations. Specialist agents map schemas with file:line citations, a human approval gate precedes ETL code generation, and a QA validator checks the generated scripts.
- **Model-agnostic engine:** made the agent model-agnostic by adding Kimi K2.6 next to Claude through a model registry and an engine-neutral agent layer, so any migration job can run on either model; rebuilt the agent's file tools as OpenAI-compatible function calls with sandboxed writes and retry with backoff.
- **Observability:** added OpenTelemetry tracing (per phase, agent and LLM call), Prometheus metrics (tokens, cache hits, latency, errors) and a provisioned Grafana dashboard via Docker Compose.
- **Agentic voice assistant:** developed a web assistant on Groq (gpt-oss-120b) with SSE streaming and a tool-calling loop (RAG, web search, image generation, clarifying questions), failure escalation, recovery of malformed tool calls and automatic model fallback on rate limits.
- **RAG and self-learning:** built retrieval from scratch (chunking, TF-IDF, cosine similarity) alongside a LangChain retriever chain, a loop that verifies user corrections via web search before storing them, and Whisper voice input with a browser wake word.
- **Fine-tuning:** designed a LoRA fine-tuning experiment for Llama 3.1 8B against a gpt-oss-120b baseline, with 400 synthetic training examples, 25 held-out real cases, an automated scorer and a GPU cost analysis for training and hosting on EU cloud.
- **CLI assistant:** built a Python CLI assistant from scratch (Groq, Llama 3.1 8B, Whisper) with multi-file context, tool calling, wake-word voice input and text-to-speech; presented it in an internal talk on building LLM wrappers.
- **Technical proposals:** authored proposals and feasibility assessments for client and R&D projects, covering architecture, data and MLOps stack, hosting options, cost models and delivery roadmaps.
- **AI hiring:** designed hands-on assessments for AI engineering candidates (LLM apps, tool-calling agents, prompt writing) and interviewed them.

Domains: Digital Marketing | SEO | SaaS | AI Systems

Full-Stack Developer

01/2025 - 11/2025

Freelance

- Built a Shopify SaaS application with the Polaris framework, integrating a React frontend with Django REST APIs.
- Developed Python/Django backends and deployed full-stack web applications.
- Delivered custom CMS solutions in Wagtail.
- Contributed to UX design and workflow improvements across the platform.

Domains: E-commerce | SaaS

React Developer

12/2020 - 12/2024

Veriest · Serbia

- Built and maintained web applications using React.js, JavaScript, HTML and CSS.
- Collaborated with backend teams on API integrations and data flow design; supported Python-based backends with API consumption, debugging and feature work.
- Maintained a React Native fitness app and contributed to embedded React + LVGL projects.
- Designed UI/UX for a banking app in Figma and implemented application redesigns.
- Acted as a technical point of contact for clients, communicating progress to everyone from developers to stakeholders; coordinated sprints in Jira and Redmine.

Domains: Banking | FinTech | Fitness | Media (TV)

EDUCATION

Bachelor of Science in Information Technology

10/2014 - 09/2018

Higher Education Technical School of Professional Studies (VTSNS), Novi Sad

CERTIFICATIONS

Exoscale Certified Solution Architect

Exoscale Academy, 2026

IONOS Cloud Foundations

IONOS, 2026

Exoscale Certified Cloud Professional

Exoscale Academy, 2026

Advanced Python 3 & Intermediate Python 3

Codecademy

Exoscale Certified Container Engineer

Exoscale Academy, 2026

Build Python Web Apps with Django

Codecademy

SKILLS

AI & LLM	Claude Agent SDK, OpenAI SDK, Groq, LangChain, Multi-Agent Systems, Tool Calling, RAG, Prompt Caching, LLM Evaluation, LoRA Fine-Tuning, Whisper, Text-to-Speech
Backend	Python, Django, Django REST Framework, Celery, FastAPI, Flask, SQLAlchemy, Pydantic, REST APIs, Wagtail CMS
Frontend	React, Next.js, TypeScript, JavaScript, React Native, TanStack Query, Tailwind CSS, Sass, Shopify Polaris
Data	PostgreSQL, MySQL, Redis
DevOps	Docker, Docker Compose, OpenTelemetry, Prometheus, Grafana, Git
Testing & Tools	Behave (BDD), Django Tests, Jira, Linear, Redmine, Figma

LANGUAGES

English · Fluent (C1) Serbian · Native