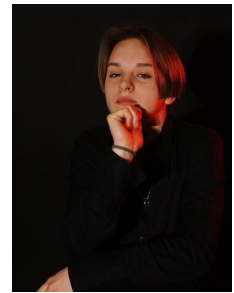


# Mariia Paik

Full-Stack Developer (Node.js / NestJS / React / Python)

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## SUMMARY

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Full-Stack Developer with 3 years of production experience building AI-powered SaaS platforms end-to-end, from greenfield architecture to scaled features used by 200+ media buyers and digital agencies serving brands such as Pepsi and Starbucks. Backend-leaning generalist across Node.js, NestJS, Express, and Python, with strong React and Redux on the frontend and confident handling of MongoDB, PostgreSQL, MySQL, Redis, BullMQ, and AWS/GCP. Shipped multiple LLM-driven features in production, including an autonomous campaign-launching agent and a Claude-powered content-generation pipeline. Comfortable owning a feature from spec through deployment, mentoring through code review, and working directly with product and clients.

## TECHNICAL SKILLS

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- **Languages:** JavaScript, TypeScript, Python
- **Backend:** Node.js, NestJS, Express, Django, REST APIs, Microservices, BullMQ, WebSockets
- **Frontend:** React, Redux, Astro, HTML, CSS, React Native
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis
- **Cloud and DevOps:** AWS, GCP, Docker, CI/CD, Linux, VPS
- **AI and Automation:** OpenAI API, Anthropic Claude API, Retrieval-Augmented Generation (RAG), Vector Databases, Prompt Engineering, n8n
- **Integrations:** Facebook Ads, TikTok Ads, Instagram, YouTube, MGID, Taboola, Outbrain, Revcontent, Line, Tonic, Google APIs, PayPal
- **Testing and Tools:** Jest, Git, GitHub, Postman, Agile/Scrum

## PROFESSIONAL EXPERIENCE

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### Full-Stack Developer, TrackBoost

June 2023 – May 2026 | Hybrid

AI-powered ads optimization platform for media buyers, affiliates, and digital agencies. Co-built two products from scratch: trackboost.com (AI co-pilot for advertisers) and digital.trackboost.com (analytics and team-management dashboard for agencies serving clients including Pepsi and Starbucks). Worked in a team of 8 full-stack engineers and 1 QA; reviewed code, collaborated directly with product and clients.

- **Built an autonomous AI agent for affiliate marketers** that takes an offer and reference and launches a full ad campaign end-to-end: generates images and headlines via OpenAI, assembles creatives, and pushes the campaign live to traffic sources. Replaced hours of manual creative production per buyer.
- **Designed an LLM-based campaign optimization engine** that analyzes live performance against affiliate-marketing rules and recommends concrete actions, including budget adjustments, pausing underperforming creatives, and generating new variations.

- **Built integrations with 9+ traffic sources and affiliate networks** — Facebook Ads, TikTok Ads, Instagram, YouTube, MGID, Taboola, Outbrain, Revcontent, Line, and the Tonic affiliate network — covering campaign creation, scheduled stats collection, and unified cross-source reporting.
- **Designed an n8n + Claude Opus content pipeline** that auto-generates RSOC articles for Tonic at scale; ran in production for several months, producing multiple campaigns per day.
- **Shipped an AI-powered ad creative editor** allowing users to generate and refine images and copy in-app, removing dependency on external design tools.
- **Built an influencer management system** for digital agencies, including talent CRM, campaign tracking, and reporting modules for cross-team collaboration.
- **Built a real-time analytics dashboard** with live charts aggregating data from a 70 GB MongoDB store and multiple SQL databases across all integrated traffic sources, partner networks, and campaigns.
- **Architected the scheduled stats-collection layer** with hourly and daily jobs pulling from hundreds of campaigns and thousands of ads across all integrated platforms, queued via BullMQ.
- **Optimized heavy data flows:** reduced load times on key dashboards from approximately 30 seconds to near-instant, lowered database load on hot paths, and shipped continuous fixes and improvements across the codebase.

*Tech stack: React, Redux, Astro, Node.js, NestJS, Express, Python, MongoDB, PostgreSQL, MySQL, Redis, BullMQ, Docker, AWS, GCP, OpenAI API, Claude API, n8n, Jest.*

## Freelance Full-Stack Developer

2024 – Present | Remote

Designed and shipped websites, booking systems, and a Telegram bot for independent clients across fitness, wellness, and education niches. Owned the full delivery cycle from requirements gathering and design to deployment and handover.

- **Fitness coach booking website** with service and consultation signup, contact-form lead capture, and email notifications to the coach. Built with React and Node.js.
- **Dance course landing and registration platform** with course signup flow, built with React, Node.js, and Astro.
- **Podiatry clinic website** with appointment booking and contact functionality.
- **Telegram bot with PayPal integration** — full payment flow plus integration with Google services.
- **Cross-platform mobile app** (side project) built with React Native and a Node.js backend.

## EDUCATION

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### Bachelor of Science in Intelligent Systems

Technical University of Košice (TUKE), Slovakia | 2022 – 2025

**Bachelor's thesis:** "Integrated Development Environments for Work with Large Language Models." Designed and implemented a Retrieval-Augmented Generation (RAG) pipeline as the core technical contribution, combining vector-search retrieval with LLM-based generation to ground responses in a custom knowledge base.

## LANGUAGES

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- **Russian** — Native
- **Ukrainian** — Native
- **Slovak** — Near-fluent (C1)
- **English** — Upper-Intermediate (B2)