

Nikolay Georgiev

■ SOFTWARE ENGINEER · REACT · NEXT.JS · TYPESCRIPT · NODE.JS

Varna, Bulgaria (open to fully remote)
nikolay.georgiev00@outlook.com
linkedin.com/in/nikolaygeorgiev0049
github.com/macmma322
nikolay-georgiev.dev

PROFILE

Software engineer with a Computer Science degree and a year of professional experience delivering and debugging enterprise systems for international clients at DXC Technology. Alongside that, I design and build full-stack products end to end on TypeScript, React, Next.js, Node.js, PostgreSQL and Redis: a community and commerce platform with Stripe payments, realtime messaging and WebRTC calls, and a production education platform delivered for a client. Comfortable owning a feature from database schema through API to accessible UI. Looking for a frontend or full-stack engineering role on a remote or distributed team.

TECHNICAL SKILLS

Frontend	React, Next.js (App Router), TypeScript, JavaScript (ES2020+), Tailwind CSS, HTML, CSS, Astro, accessible UI (WCAG, keyboard navigation)
Backend	Node.js, Express, REST APIs, OpenAPI (contract-first), Socket.IO, WebRTC, Server-Sent Events, BullMQ job queues
Data	PostgreSQL (raw SQL, schema design, versioned migrations, row locks), Redis
Security	JWT in HttpOnly cookies, TOTP 2FA, Google OAuth, cross-domain SSO, RBAC, rate limiting, audit logging
Practices	Git, Linux, CI with GitHub Actions, Docker, Railway, root-cause debugging, code review, Stripe integrations
Also	C++ on Arduino (embedded), Rust (bare-metal x86-64, learning), local LLMs with llama.cpp, MCP

PROFESSIONAL EXPERIENCE

Junior Backend Developer · DXC Technology Sep 2025 – Present · Varna, BG

- Develop and maintain backend functionality and web services on a large enterprise insurance platform serving a major French insurance group.
- Trace defects through a substantial legacy codebase, perform root-cause analysis and ship fixes under enterprise QA and release processes.
- Ramped up in weeks on a proprietary declarative rules language (Prolog-like) with minimal documentation; work daily in English with distributed international teams across development, QA and client stakeholders.

Content Moderator · Genpact Oct 2024 – Sep 2025 · Bucharest, RO

- Reviewed 300–400 user-generated items daily against community policy, sustaining ~90%+ QA accuracy; contributed process improvements adopted for the assigned market.

SELECTED PROJECTS

Zone 32-19 · full-stack community and commerce platform · deployed, pre-launch Feb 2025 – Present

- Frontend: Next.js App Router with TypeScript and Tailwind; a same-origin BFF proxy for cookie auth; social feed, groups, realtime chat and a 54-page internal employee portal.
- Backend and realtime: Node.js/Express modular monolith (39 domain modules) over a two-schema PostgreSQL design with raw SQL and 122 versioned migrations; Socket.IO with a Redis adapter for horizontal scaling; presence, notifications and WebRTC voice and video calls.
- Commerce and security: Stripe payments and subscriptions with signature-verified, deduplicated webhooks and a double-entry finance ledger; JWT in HttpOnly cookies, TOTP 2FA, Google OAuth, Redis rate limiting and audit logging.
- Deployed on Railway; a Caddy + Coraza WAF gateway is built for the edge. zone-32-19.com

USS X Academy · education platform delivered for a client · production May 2026 – Present

- Course intakes with server-enforced capacity and pricing, application review, live classrooms on LiveKit with host controls, and single sign-on across domains; designed contract-first against an OpenAPI spec with versioned SQL migrations.
- A regional technician directory: an interactive SVG map of all 28 Bulgarian regions with full keyboard access, public region pages, an application flow with image upload and admin approval, rejection and suspension.
- Consent-aware analytics and conversion tracking (GA4, Google Ads, GTM, Consent Mode v2). Stack: TypeScript, Next.js, Express, PostgreSQL, Redis, LiveKit.

KObait · GPS bait boat, embedded · bench prototype Mar 2026 – Present

- Two Arduino Mega 2560 boards, a handheld remote with a 3.5-inch TFT and a boat controller, over a UART LoRa link with my own framed, CRC-checked, sequenced protocol.
- Safety first: one owner for the motors, arming gates, a link-loss failsafe, a leak alarm and a hardware watchdog. Bench-tested; water testing is next.

J.A.R.V.I.S. · local-first AI assistant with compiled authority tiers (TypeScript, Rust/Tauri, Python)

Malrynth · x86-64 operating system from scratch: Rust UEFI loader and kernel

Case studies with architecture and status: nikolay-georgiev.dev/work

EDUCATION

BSc Computer Science · University of Ruse "Angel Kanchev", 2019–2023

Diploma, Mathematics and Informatics · "St. Kliment Ohridski" High

School, Silistra, 2012–2019

Certificates · AWS Partner: Generative AI Essentials; Agentic AI Essentials

LANGUAGES

Bulgarian (native) · English (fluent, daily working language) · German (A2) · Russian (A1) · Japanese (A1)