Erban Danaj
Software Engineer

📍 Warsaw, Poland   🔗 https://erbandanaj.com/   ✉ danajerban@gmail.com

⊙ https://github.com/danajerban   in https://www.linkedin.com/in/erban-danaj

---

🪪 Professional Summary

Full-Stack Developer with 4+ years building innovative solutions while traveling Europe — because the best debugging happens with a view. Currently building *studentcard.al* ⊡ , Albania's ISIC platform connecting local students to global benefits. Frontend enthusiast who secretly loves backend architecture, with 20+ projects spanning EdTech, e-commerce, hospitality, and entertainment. Daily wrangling TypeScript types and writing React components that don't break (often). Proficient in TypeScript, React, Next.js, Node.js, Java/Spring Boot, Python/Django, with PostgreSQL, MongoDB, and Docker in my toolkit. Currently learning agentic and generative AI to build tools that genuinely help people.

🎗 Skills

React · Next.js · TypeScript · Redux · WebSockets/Socket.io · SEO · NestJS · Java/Spring Boot · Python/Django · Docker · AWS · System Design · GraphQL · JavaScript · Node.js · Git · API design and development · REST API · Express · PostgreSQL · MongoDB · Prisma · Data Modeling · Redis · SQL · NoSQL · CSS · CI/CD · React Native · Azure · Data Structures and Algorithms · Kubernetes · TDD · LLM Integration & Prompt Engineering · Authentication/JWT · RAG · Agentic AI · Generative AI · Cypress · Jest · Testing Library · Accessibility · Payments · Agile Methodologies · Three.js · Framer Motion · Figma · UI/UX Design · tRPC · Styled Components · Data visualization · OOP · Tailwind

💼 Work Experience

Software Engineer, Student Card Albania ⊡   May 2025 – present | Albania
Albania's first ISIC ⊡ platform providing students with internationally recognized IDs alongside government issued cards.
- Leading all technical development while partnering with my co-founder, acting as solutions architect for scalable multi-tenant system serving over 100,000 university students with separate Next.js frontend, admin dashboard, and NestJS backend
- Implementing secure PayPal Braintree payments and building automated pipeline that integrates with ISIC's global database for real-time card validation, ID generation, and student verification
- Building B2B monetization features and actively reaching out to local businesses for partnership opportunities and promotional packages
- Leading end-to-end technical development including system architecture, database schema design, infrastructure setup, API development, and deployment strategies using PostgreSQL with Drizzle ORM and AWS

Software Engineer, The Coaching Masters ⊡   Jan 2024 – present | Poland
Developing high-performance video systems and AI solutions for online education.
- Implemented video processing pipeline for 16K+ users, improving streaming performance by 40%, and built a RAG chatbot from scratch with custom knowledge base
- Architected internal systems including admin dashboards, workflows, pipelines, and document collaboration tools using Next.js and NestJS for the operations team
- Led DevOps initiatives with Docker containerization and CI/CD optimization while managing database design and implementation for scale
- Engineered payment systems with Stripe integration while contributing to technical design and product launches, implementing best practices for high performance

Software Developer, Freelancer ⊡   2020 – 2024 | Poland/Albania/Sweden/UK
Developing innovative applications while exploring cultures and learning along the way
- Built and shipped 20+ projects for clients ranging from friends' startups to established local businesses, managing the complete development lifecycle from initial concept through deployment and ongoing maintenance. Some notable projects I'm proud of:
- *3D Car Showroom:* ⊡ Increased visitor engagement by 50% through WebGL optimization, lazy loading strategies, CDN implementation, and server-side rendering with Next.js. Stack: React, Three.js, Next.js, AWS CloudFront
- *Spin City Records:* ⊡ Peer-to-peer vinyl marketplace with T3 stack. Reduced communication delays by 20% with tRPC, implemented Stripe payments and AWS S3 storage. Stack: TypeScript, Next.js, tRPC, Prisma, PlanetScale
- *Smart Trip:* ⊡ AI-powered travel planning platform with OpenAI integration. Stack: React, Node.js, Firebase, Google Places API
- *Covid-19 Dashboard:* ⊡ Real-time data visualization with Chart.js and Leaflet. Stack: React, PostgreSQL, Docker, JWT
- Delivered across diverse sectors: e-commerce, hospitality, entertainment, HR, real estate, healthcare (dental reservation system), and AI-powered solutions. Specialized in turning complex requirements into clean, tested, accessible solutions

Quality Assurance Specialist, Auto1 Group ⊡   Jan 2021 – Jun 2022 | Albania
Auto1 Group is Europe's leading digital automotive platform.
- Conducted online vehicle inspections and comprehensive platform testing to ensure functionality, while optimizing backend systems and implementing systematic processes to enhance operational efficiency
- Increased sales by 10% by improving data accuracy on vehicle listings, accelerating purchase decisions and reducing customer inquiries

🎓 Education

Bachelor of Science in Computer Engineering (BSc), Epoka University   Sep 2016 – Jul 2020 | Tirana, Albania

Software Engineering Immersive, Codeworks   Jan 2023 – Aug 2023 | Remote