

DANILA TRAVKOV

Software Engineer | Frontend, Full-Stack & AI-Assisted Development

Novi Sad, Serbia | +381 63 894 8851 | datravkov@gmail.com | [LinkedIn](#) | [GitHub](#)

PROFILE

Software Engineer with 6+ years of software development experience across commercial products, freelance delivery, academic systems, and personal SaaS projects. Frontend-focused with strong React/TypeScript and Angular expertise, plus practical backend, cloud, DevOps, testing, and distributed-systems work. Experienced in complex real-time interfaces, micro-frontends, performance optimization, API integration, AWS delivery, microservices, and AI-assisted engineering workflows. Comfortable taking ownership from requirements and architecture through implementation, testing, code review, deployment, and cross-functional delivery.

EXPERIENCE

EPAM Systems | Software Engineer

Apr 2026 - Present

Global digital transformation, software engineering, and AI consulting

- Contribute to the client project "Restaurant CMS", a restaurant aggregation and management platform, as part of a cross-functional Agile team; develop production functionality with React and TypeScript and integrate it with backend APIs and product workflows.
- Own frontend implementation decisions around component boundaries, reusable patterns, state/data flows, and Git workflows; conduct code reviews, mentor less experienced developers, and participate in technical decision-making for the production codebase.
- Collaborate daily with backend engineers, QA, PM, and other stakeholders through planning, stand-ups, reviews, and retrospectives; discuss technical decisions in English in an international engineering environment.
- Introduced an AI-assisted engineering workflow using OpenAI Codex, MCP servers, and a RAG-backed project knowledge base, translating business tasks into structured AI-readable technical specifications and implementation plans.
- Delegate scoped work to subagents, review AI-generated code, maintain reusable custom skills and project context, and optimize context/token usage to make agent-assisted development more repeatable and reliable.
- Build and continuously update CI/CD and AWS delivery infrastructure, including S3, IAM, CloudFront, and SNS, supporting frontend deployment and cloud integration.

LimeAcademy - Blockchain Education | Senior Frontend Developer

Nov 2024 - Sep 2025

Web3 educational platform and crypto marketplace

- Developed reusable mobile-first UI components for a Web3 platform with TypeScript, React, and Redux Toolkit, applying architectural and software design patterns when implementing new functionality.
- Built a virtualized order table and introduced memoization and rendering optimizations that reduced unnecessary re-renders in high-density, data-heavy trading interfaces.
- Optimized Core Web Vitals, reaching an LCP of approximately 2 seconds while keeping INP below 50 ms and removing noticeable interface stalls during interaction.
- Created and maintained C0/C1 automated test coverage for new components and features using Jest and Playwright, treating testing as part of feature delivery rather than a separate phase.
- Worked with micro-frontends and Webpack Module Federation, connecting independent remote modules to a shared host application and integrating complex Web3/trading UI such as candlestick charts.
- Conducted detailed peer code reviews and collaborated daily with UI/UX designers from low-fidelity wireframes and sketches through detailed production designs, while ensuring business requirements were delivered on time.

Asteriosoft | Middle Frontend Developer

Jul 2024 - Aug 2024

Outsourced web development

- Developed a real-time slideshow viewer with React and TypeScript, integrating a third-party WebSocket API and processing large streamed data chunks in the client.
- Optimized rendering and state-update paths to keep the interface smooth during live data updates and high-frequency incoming events.
- Refactored the feature and wrote comprehensive Jest tests for happy and failure paths, reaching a 100% passing test suite after iterative debugging and stabilization.
- Worked daily with backend, DevOps, PM, and QA engineers in a multidisciplinary delivery team.

Independent / Freelance | Frontend Developer

Sep 2023 - Jun 2024

Project-based work for early-stage startups

- Delivered two production-ready web projects for startup clients, combining rapid iteration with responsive frontend implementation, API integration, testing, and production debugging.
- Created a mobile-first landing product for a real-estate startup with reusable UI sections, SEO-oriented structure, cross-browser styling, and page-performance optimization.
- Worked on a landing page and AI API management interface for an AI / big-data startup whose product included prediction-oriented API workflows and structured interaction with external AI services.

- Integrated REST APIs with Axios and TanStack Query, structured application state with Redux Toolkit and Zustand, and implemented loading, error, caching, and async data-flow patterns for maintainability.
- Applied Jest and Playwright, bundle-aware implementation, memoization, browser DevTools, logs, and basic monitoring practices to diagnose API, rendering, and production issues.
- Worked directly with startup stakeholders to clarify requirements, deliver iterations quickly, and adapt implementation details as business priorities changed.

TailBook | Junior Frontend Developer

Nov 2022 - Sep 2023

Web and mobile product helping users find shelters for homeless animals

- Built and maintained functional MVPs for startup web products using JavaScript, WordPress, and PHP, enabling fast validation of product ideas before larger engineering investment.
- Worked in-office alongside senior engineers on MVP concepts, implementation approaches, and technology choices, developing practical experience in collaborative product engineering.
- Attended industry conferences and supported preparation of MVP demonstrations and presentations for product owners.

SFERA | Manual QA Engineer

Mar 2022 - Sep 2022

Social-network product

- Performed manual QA and expanded into automated/unit testing of Django code, creating tests for class methods that depended on external services and using Python test utilities and mocks.
- Built practical foundations in client-server architecture, web development, serialization, data formats, API behavior, and software-testing workflows with Django.

PERSONAL PROJECTS

MySEO - Search Demand Intelligence — *Next.js, TypeScript, Python, PostgreSQL, Docker, statistical analytics*

Built an opportunity engine that converts search-demand signals into ranked, explainable software-product opportunities. The MVP includes demand discovery, analytics dashboards, opportunity scoring, distribution diagnostics, CSV/mock ingestion, keyword-history views, and automatic clustering using word/character TF-IDF, cosine similarity, and agglomerative clustering; distribution tooling includes empirical histograms, normal-fit diagnostics, Q-Q plots, and robust statistics. [Live](#) | [GitHub](#)

Manufacturing Operations Platform — *Next.js, Node.js, Express, Rust, Python, Docker, Kubernetes, message brokers*

Designed architecture and contributed across a real-time Rich Internet Application with roughly 30 microservices, multiple storage systems, message brokers, and a dashboard-heavy frontend. Developed services, configured Docker Compose/Kubernetes infrastructure with kubectl, Helm, and Kustomize, coordinated a small team, ran daily meetings, and created custom Codex skills for change analysis, commits, YouTrack tasks, and workflow automation. [GitLab](#)

Orbit - Team Task Tracker — *Next.js, React, TypeScript, shadcn/ui, Supabase, Vercel*

Developing a lightweight Jira/YouTrack-inspired SaaS for small teams with multi-project task tracking, collaboration flows, and free/paid product structure while keeping core workflow functionality broadly accessible. [Live](#) | [GitHub](#)

PaySplit - Fintech SaaS — *Next.js, React, TypeScript, Supabase, Resend, React Bits*

Developed a subscription-planning product that turns large annual renewals into predictable tracked plans, with renewal-readiness UX, configurable installment planning, tester onboarding, and an architecture designed to evolve toward regulated balances and managed virtual-card payments. [Live](#) | [GitHub](#)

Interactive Tile Ordering Simulator — *Next.js, React, TypeScript, Tailwind CSS, Redux Toolkit*

Implemented a responsive ordering experience based on a hand-drawn artisan form, including a desktop tile-design tool, shopping cart, checkout flow, and a mobile-optimized ordering process for a European-company take-home assignment. [Live](#) | [GitHub](#)

TECHNICAL SKILLS

Languages: JavaScript (ES5/ES6+), TypeScript, Python, Java, Kotlin, C#, C++, Rust, SQL, HTML5, CSS3, Bash/Shell.

Frontend frameworks & runtime: React 16-19, Next.js, Angular 16-19, RxJS, Web APIs, PWA/service workers, SSR, CSR, SSG, real-time UI, WebSocket-driven applications.

State, data & forms: Redux, Redux Toolkit, Zustand, TanStack Query / React Query, React Hook Form, Zod, React Router, Axios, Apollo Client / GraphQL.

Architecture & performance: Feature-Sliced Design, component architecture, micro-frontends, Webpack Module Federation, SOLID, MVC, MVVM, MVT, design patterns, memoization, virtualization, Core Web Vitals, accessibility (a11y), SEO, responsive/mobile-first and cross-browser design.

UI & visualization: SCSS/Sass, CSS Modules, CSS-in-JS, Tailwind CSS, Angular Material, MUI, Ant Design, shadcn/ui, Radix UI, Ring UI, React Bits, Storybook, three.js, D3.js, ag-Grid, charting/data-visualization libraries.

Build & package tooling: Vite, Webpack, npm, Yarn, pnpm, Gradle, Maven, ESLint, browser DevTools, monorepo workflows, Git workflows.

Backend & application platforms: Node.js, Express, Django, Django REST Framework, Spring Boot, JPA/Hibernate, Spring Security, JWT, WPF/WCF fundamentals, REST API design/integration, GraphQL, WebSocket, MQTT.

Databases, storage & messaging: PostgreSQL, MongoDB, InfluxDB, DynamoDB, MinIO, Garage object storage, Kafka, RabbitMQ, AWS SQS/SNS.

Cloud & DevOps: AWS S3, IAM, CloudFront, CloudWatch, Lambda, API Gateway, Cognito, SQS, SNS, DynamoDB, ECS/EKS, Bedrock, Docker, Docker Compose, Kubernetes, kubectl, Helm, Kustomize, Terraform, Jenkins, GitHub Actions, GitLab CI/CD, Vercel, Supabase, Linux, Bash scripting.

Testing & quality: Jest, Playwright, Selenium, Jasmine, JUnit, Django testing utilities, mocking, manual testing, unit/integration/E2E testing, test coverage, code review, static analysis and type checking.

Data, ML & numerical tools: Pandas, NumPy, Matplotlib, PyTorch, OpenCV; basic clustering/classification workflows and statistical analysis for engineering projects.

AI-assisted engineering: OpenAI Codex, GitHub Copilot, Claude, ChatGPT, DeepSeek, MCP, RAG, prompt engineering, context engineering, AI-generated code review, test generation, documentation generation, task decomposition, subagent delegation, reusable custom skills, project knowledge bases, token/context optimization.

Engineering practices & tools: Git, GitHub, GitLab, Agile/Scrum, CI/CD, microservices, distributed systems fundamentals, event-driven systems, API contracts, UML/software modeling, architecture documentation, IntelliJ IDEA, WebStorm, Visual Studio, Visual Studio Code, Cursor.

EDUCATION & LANGUAGES

University of Novi Sad, Faculty of Technical Sciences - Software Engineering and Information Systems, 2023-2026 | Novi Sad, Serbia

University of London - Business, Management and Digital Innovation, 2023-2026 | Remote

Higher School of Economics - Business, Management and Digital Innovation, 2019-2022 (incomplete) | Moscow, Russia

Languages: Russian - Native | English - C2 | Serbian - B1