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ncube

Andrey

Senior Full-Stack Engineer

Summary

Senior Full-Stack Engineer with 8+ years of commercial experience building enterprise web applications on .NET (C#, ASP.NET Core), Node.js / NestJS, and React / TypeScript. 5+ years specialised in the pharmaceutical domain: enterprise SaaS for market intelligence, customer-facing Web APIs on .NET for external integrations, REST services on Node.js / NestJS, and complex React SPAs with data-heavy dashboards.

Experienced with relational databases, ORMs, and large multi-team production codebases with complex business logic. Proven contributor to microfrontend architecture, shared design-system libraries, and cross-team platform standards. AI-assisted development practitioner: Claude Code, Cursor, GitHub Copilot. Focused on FinTech and integration-heavy systems.

TECHNICAL SKILLS:

- C#, TypeScript, JavaScript, SQL
- React, Next.js, Redux, Highcharts, MUI, Tailwind CSS, microfrontend architecture, design systems, data-viz & complex dashboards, component performance (virtualisation, memoisation)
- .NET, ASP.NET Core Web API, Node.js, NestJS, Express.js, Serverless Framework, REST API design, async task processing, authentication (JWT, sessions, RBAC), message queues (RabbitMQ, AWS SQS), OOP, SOLID
- PostgreSQL (complex queries, schema design, window functions, CTEs), MS SQL Server, Redis, MongoDB, Entity Framework (EF Core), Dapper, Prisma, TypeORM
- AWS (Lambda, API Gateway, S3, RDS, CloudWatch, Elastic Beanstalk, Amplify), Docker, GitHub Actions, Azure DevOps, TeamCity, CI/CD
- Testing & Tools: Jest, Git, GitHub, Postman, Jira, Swagger / OpenAPI
- AI-Assisted Development: Claude Code, Cursor, GitHub Copilot

Professional Career

Full-Stack Developer

November 2020 – January 2026 | **Bar, Montenegro**

Project 1 Info:

Enterprise SaaS Platform for Pharmaceutical Market Intelligence: one of 4 teams (3 product teams + 1 design-system team) on a shared enterprise platform. Full-stack owner on core features, proof-of-concept to production over 3 years. Team of 4 engineers + 1 QA.

Responsibilities:

- Took the product from proof-of-concept to full production release over 3 years; the first of the platform's 4 microfrontends and set the technical patterns adopted by other teams
- Designed and built a complex analytics dashboard for pharmaceutical market intelligence, including data-heavy visualisations and search-driven navigation with component optimisation and virtualisation for large datasets
- Designed and implemented end-to-end a highly customisable filtering module supporting rich query composition and large-dataset virtualisation; later extracted into a shared component reused by other teams across the platform
- Contributed to backend API design and implementation using Node.js and NestJS: REST endpoint schemas, request/response structures, error handling patterns, and async task processing
- Wrote and optimised complex PostgreSQL queries including composite indexes, window functions, CTEs, and transaction handling for efficient filtering and aggregation of large datasets
- Designed database schemas for pharma market data, ensuring efficient querying and aggregation for analytics. Debugged N+1 query problems and implemented caching strategies
- Contributed core components to the platform's shared UI/design-system library used across all 3 product teams
- Worked extensively with microfrontend composition, cross-team integration boundaries, shared state management, and versioning
- Mentored junior developers and supported onboarding onto the frontend and backend codebase.

Software and technologies:

React, Next.js, TypeScript, Redux, Highcharts, Microfrontends, Node.js, NestJS, Serverless Framework, PostgreSQL, AWS (Lambda, API Gateway, S3, CloudWatch), Docker, GitHub Actions

Project 2 Info:

Pharma Data Integration API Platform: customer-facing REST API on .NET for external clients integrating with the platform's pharmaceutical data.

Responsibilities:

- Developed customer-facing REST API endpoints with ASP.NET Core Web API consumed by external clients for pharmaceutical data integration
- Designed request/response contracts and validation for external consumers, with consistent error responses and status codes
- Built data access layer using Entity Framework + Dapper with PostgreSQL, optimising queries for large datasets
- Maintained Swagger / OpenAPI documentation used by client teams for integration
- Maintained multiple API versions with backward compatibility for existing clients
- Contributed to Elasticsearch indexing for platform search functionality

Software and technologies:

.NET, C#, ASP.NET Core Web API, PostgreSQL, Entity Framework (EF Core), Dapper, Elasticsearch, Swagger, Docker, AWS

Project 3 Info:

Feasibility Study Platform: web platform for designing clinical trial scenarios: users construct a trial scenario and the system calculates its potential outcome. Findings from this project directly informed the decision to scale the approach into the full production platform above.

Responsibilities:

- Contributed to full-stack development using React and Node.js
- Designed and built data visualisation components to display calculated trial outcomes
- Participated in the microfrontend architecture as part of the broader platform system
- Contributed to designing and implementing supporting REST API endpoints for scenario calculations and data processing

Software and technologies:

React, Next.js, TypeScript, Redux, Highcharts, Node.js, Express.js, Docker, AWS

Full-Stack Developer (.NET / React)

April 2018 – October 2020 | **Kyiv, Ukraine**

Project 1 Info:

Banking systems. Backend and SQL Server integrations for internal lending and credit-bureau systems supporting production banking workflows.

Responsibilities:

- Developed backend services on ASP.NET Core (C#) and SQL Server integrations for internal lending and credit-bureau systems
- Built and optimised complex SQL queries for financial data processing and reporting
- Supported and maintained legacy banking systems, ensuring stability and compliance

Software and technologies:

C#, ASP.NET Core, SQL Server, Entity Framework, REST APIs

Project 2 Info:

KYC Questionnaire System: client onboarding platform: a long, structured questionnaire for new bank customers, including document collection and verification.

Responsibilities:

- Contributed to full-stack development (React frontend and .NET backend) of the client onboarding questionnaire system
- Implemented form logic, validation, data transformation, and backend processing for customer data collection and verification workflows

Software and technologies:

React, ASP.NET Core, C#, SQL Server

Education

2016 – 2020

National Aviation University, Ukraine

Master's Degree in Software Engineering (Software Systems)

Foreign Languages Skills

English: Upper-Intermediate

Ukrainian: Native