



Sergii Luchko

Tech Lead & Senior Full Stack JavaScript Engineer

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Technical Leadership · Architecture · TypeScript · NestJS · Angular · React · AWS
Wrocław, Poland · B2B cooperation · Remote / hybrid · Open to international teams

01 – Summary

Senior Full Stack JavaScript Engineer and Team Lead with 14+ years of commercial experience delivering scalable web applications, backend services, and cloud-based systems in agile product environments.

Strong in TypeScript, Angular, React, Node.js, NestJS, AWS, REST/gRPC services, microservice and micro frontend architectures, Nx monorepos, and secure authentication flows.

Experienced in driving technical direction, mentoring engineers, improving engineering workflows, and communicating architecture, risks, and recommendations to product, engineering, and senior client stakeholders.

02 – Core Skills

Architecture Design System design · Distributed systems · Microservices · REST/gRPC API design · API gateways · Event-driven architecture · Micro frontends · Nx monorepos · C4 model · UML · ADRs	Technical Leadership Team leadership · Mentoring · Feature planning · Solution design · Estimation · Code review · Technical interviews · Stakeholder communication · Delivery ownership
Cloud & DevOps AWS · DigitalOcean · Docker · Docker Compose · GitHub Actions · GitLab CI · S3 · CloudFront · Lambda · SQS · CloudWatch · CI/CD	Observability OpenTelemetry · Prometheus · Grafana · Loki · Tempo · Metrics · Logs · Traces · Dashboards · Alerting · Health checks · Production monitoring
Backend Engineering Node.js · NestJS · Express.js · TypeScript · REST APIs · gRPC · WebSockets · Kafka · JWT · OAuth 2.0 / OIDC · Auth0 · SSO · Background processing	Frontend Engineering Angular · React · TypeScript · RxJS · NgRx Store · Redux · Micro frontends · HTML · CSS · Angular Material · Material UI · Responsive applications
Databases & Storage PostgreSQL · MongoDB · Cassandra / AWS Keyspaces · DynamoDB · SQLite · ClickHouse · Redis · Memcached · Data modeling · Query design · Caching	Testing & Quality Jest · Cypress · Unit testing · Integration testing · End-to-end testing · Test strategy · Maintainability · Refactoring · Pull request review
Documentation & Communication Architecture documentation · Technical proposals · Jira Epics · Confluence · Requirements clarification · Cross-functional collaboration · Senior stakeholder communication	

03 – Experience

- **DataArt** – Team Lead & Senior Full Stack JavaScript Engineer
Wroclaw, Poland · Oct 2021 - Present
- **UBS** – Team Lead & Senior Full Stack JavaScript Engineer
Wroclaw, Poland · Apr 2019 - Oct 2021
- **DataArt** – Team Lead & Senior Full Stack JavaScript Engineer
Lublin, Poland · Mar 2015 - Mar 2019
- **DataArt** – Team Lead & Senior Full Stack JavaScript Engineer
Dnipro, Ukraine · Apr 2013 - Mar 2015
- **IT / Capitals** – PHP Developer
Zaporizhia, Ukraine · Jun 2012 - Apr 2013
- **HiWebs** – Junior PHP Developer
Zaporizhia, Ukraine · Jul 2011 - Jun 2012

04 – Recent Projects & Technical Highlights

Travel Platform – Itinerary Building & Supplier Composition

Travel · Jan 2026 – Present

Tech stack: TypeScript, Node.js, NestJS, React, PostgreSQL, AWS (Aurora, S3, SQS)

Building a full-stack travel itinerary platform that helps travel specialists create, customize, and manage complex multi-continent travel proposals.

- Develop backend APIs and React user interfaces for itinerary planning and supplier composition flows.
- Support workflows that allow specialists to combine different travel services into tailored customer proposals.
- Contribute to technical decisions around scalability, maintainability, and reliable feature delivery in a product-focused environment.

Gambling Platform – Compliance Self-Monitoring & Messaging

Gambling · Oct 2024 – Dec 2025

Tech stack: TypeScript, Node.js, NestJS, gRPC, Kafka, Cassandra, AWS (Keyspaces, S3, SQS)

Worked on a large-scale gambling platform built with distributed backend services, event-driven communication, and regulatory compliance requirements.

- Built NestJS microservices using HTTP and gRPC communication patterns.
- Delivered a self-verification system for regulatory compliance and integrity checks across multiple jurisdictions.
- Improved platform reliability and cost efficiency by standardizing health checks and error handling, supporting Cassandra cleanup through S3/SQS/Kafka workflows, and contributing to gRPC Pub/Sub design.

Telemedicine Platform – Practitioner Dashboard & e-Visits

Healthcare / Telemedicine · Oct 2021 – Oct 2024

Tech stack: TypeScript, Node.js, NestJS, Angular, Micro Frontends, AWS (S3, Lambda, DynamoDB, CloudWatch)

Led full-stack delivery for a healthcare platform supporting practitioners, operational workflows, and secure digital collaboration.

- Built secure file upload and review workflows with automated virus scanning.
- Introduced Angular micro frontend architecture for modular practitioner-facing applications.

- Led delivery of practitioner dashboard, profile management, and virtual collaboration room features.
- Managed a full-stack team and integrated AWS monitoring/automation with CloudWatch alarms and dashboards.

Multi-asset Trading Platform – Real-time Multi-channel Notifications

Banking / Financial Services · Mar 2020 – Oct 2021

Tech stack: TypeScript, React, Micro Frontends, WebSockets, IndexedDB, Lerna

Led development of a banking alerting platform supporting web, email, and mobile push notifications for a large financial organization.

- Led a team delivering alerting features across multiple communication channels.
- Applied React micro frontend architecture and monorepo-based development for modularity and scalability.
- Added IndexedDB caching and WebSocket-based real-time updates to improve speed, resilience, and user experience.

Multi-asset Trading Platform – Smart Calendar for Analyst Bookings

Banking / Financial Services · Apr 2019 – Mar 2020

Tech stack: TypeScript, Node.js, Express.js, React, Micro Frontends, Redux, WebSockets

Built a smart calendar solution for analyst bookings with real-time availability and improved client-facing scheduling experience.

- Developed React-based user interfaces for booking and scheduling workflows.
- Integrated WebSocket-based live slot updates to keep availability information current.
- Improved booking throughput and reduced waiting time in client-facing scheduling flows.

05 – Certificates

AWS Certified Developer – Associate

Validation Number: 25cd55e44f884db3b51bea8353dd4449

Valid: Oct 13, 2025 – Oct 13, 2028

AWS Certified Developer – Associate

Validation Number: DVNBROVCRJR417S5

Valid: Oct 8, 2022 – Oct 8, 2025

06 – Education

Zaporizhzhya National Technical University

Bachelor's Degree, Electrical Engineering Technologies / Technicians

2008 – 2012

Formal engineering education with a technical foundation in electrical engineering, analytical thinking, systems understanding, and problem-solving.

07 – Languages

- **English** — professional working proficiency
- **Polish** — professional working proficiency
- **Ukrainian** — native
- **Russian** — fluent