



# Serhii Avdieiev

Lead Software Engineer

✉ sergiy.avdieiev@gmail.com 📞 +380939828063

## Technical skills overview

- Typescript - over 12 years
- Full-Stack development - 5 years
- React ecosystem (Redux, Next etc.) - Over 7 years
- Angular ecosystem (NgRx, Angular CLI, Angular DevTools, Angular Material etc.) - over 5 years
- Vue ecosystem (VueStoreFront, Nuxt, Pinia etc.) - over 4 years
- AWS Certified Solutions Architect Professional
- ICAgile Certified Professional
- Node (Nest, Express etc.) - over 5 years
- Amazon Cloud Services, Google Cloud Platform, Azure - over 8 years
- Docker, Kubernetes
- CI / CD
- English - Advanced
- Compliance with Web Content Accessibility Guidelines (WCAG)

## Profile

I am a Lead Frontend Engineer with more than 20 years of experience building high-performance, scalable web applications within the fintech, e-commerce, and media sectors. Throughout my career, I have balanced deep technical execution with architectural ownership and team leadership to deliver resilient and maintainable frontend systems.

In my most recent leadership roles, I have been responsible for defining frontend architecture and establishing the engineering standards that guide complex web platforms. My core expertise lies in React, Angular, TypeScript, and Node.js, with a heavy focus on scalability and performance optimization. I have spearheaded major refactoring initiatives to eliminate technical debt and implemented strategies like code splitting and lazy loading to ensure high-speed user experiences. I believe that consistent code quality is achieved through structured review processes and rigorous testing practices.

Beyond the code, I prioritize the growth of the engineering team and the clarity of the product roadmap. I actively mentor developers, facilitate architectural discussions, and ensure that technical decisions are always aligned with broader business objectives. By collaborating closely with product managers, designers, and backend engineers, I translate complex requirements into practical solutions. I am particularly skilled at communicating technical trade-offs to non-technical stakeholders, ensuring that delivery timelines are both realistic and sustainable.

## Personal details

Date of birth

May 11, 1986

LinkedIn

linkedin.com/in/serhii-avdieiev

Github

github.com/taypyc

## Skills

Typescript, ECMAScript

React / Next / GraphQL

Redux, Redux Toolkit

Node.JS

TanStack Query

Angular / NgRx / RxJs

VueJS / Nuxt

AWS Certified Solutions Architect Professional

HTML5 / Canvas / CSS

MySQL

RESTful API / Websocket / Service Workers

Design patterns and

What distinguishes my approach as a Lead is the ability to think beyond individual features and toward the health of the entire ecosystem. I focus on building sustainable systems and improving engineering culture, which enables teams to deliver efficiently at scale. I take full ownership of technical decisions, always considering their long-term impact on product stability and development velocity. I am consistently motivated by challenging environments where architecture, performance, and collaboration are treated as priorities. I thrive in roles that require a blend of hands-on technical mastery and high-level strategic thinking to drive real product value.

## Employment

### Lead Software Engineer

Apr 2025 - Apr 2026

Non-disclosure agreement

I worked as a Lead Engineer with a focus on building frontend architecture and providing technical leadership to the team.

At the start of the project, I designed the frontend architecture from scratch, defining the application structure, modularity, state management approach, and backend integration, with a strong focus on scalability and fast feature delivery.

The platform was a high-load entertainment system with a large number of integrations. Under my leadership, the following key features were implemented:

- integration of 100+ entertainment providers with unified APIs;
- payment infrastructure (fiat and crypto deposits/withdrawals, integrations with multiple payment systems);
- KYC (Know Your Customer) implementation;
- user account area (balances, transaction history, settings).

I established technical standards, conducted code reviews, made key architectural decisions and worked closely with business stakeholders to refine requirements and balance development speed with system stability.

I coordinated frontend-backend interaction, designed API contracts, and contributed to core business logic implementation, including transaction processing and query optimization.

I focused on performance and reliability by optimizing rendering, network requests, caching strategies, and handling critical edge cases.

I also improved development and delivery processes, which helped reduce critical production issues and increase release velocity.

As a result, we built a scalable platform capable of reliably handling financial operations and adapting quickly to changing business requirements without accumulating critical technical debt.

### Lead Frontend Engineer

Jan 2022 - Apr 2025

UKRSIBBANK BNP Paribas Group

#### Responsibilities

principles

CSS3 (Flex, Grid Layouts) /  
SASS (SCSS) / LESS / Compass  
/ Tailwind CSS / CSS-in-JS /  
Styled Components

Python

PHP

AWS / GCP / Azure

Testing / Debugging tools

Agile methodologies – Scrum,  
Kanban

OpenAPI  
Specification/Swagger

Docker, Containerization

PostgreSQL

Frontend Architecture

Technical Leadership

Payment Systems

Scalability Design

KYC Implementation

UI Component Libraries

## Soft Skills

Communication

Teammplayer

- Implemented OpenAPI specifications and integrated tools (e.g., Swagger) for automated API documentation and validation
- Built and shipped high-performance web applications using TypeScript and modern frontend frameworks, focusing on scalability, maintainability, and best practices.
- Translated Figma designs into polished, production-ready UI with strong attention to visual details.
- Designed and maintained scalable frontend architecture for complex web applications.
- Defined project structure, modularization strategy, and state management approach.
- Made architectural decisions regarding REST vs GraphQL integration, SSR vs CSR strategies, and performance trade-offs.
- Led major refactoring initiatives to reduce technical debt and improve maintainability.
- Ensured long-term scalability of the frontend codebase across multiple teams.
- Built a reusable UI component library.
- Integrated frontend applications with backend APIs and authentication systems.
- Improved application performance through code splitting, lazy loading, and bundle optimization.
- Analyzed and resolved performance bottlenecks using profiling tools.
- Optimized large data rendering using virtualization and memoization strategies.
- Improved Core Web Vitals and overall user experience metrics.
- Established and enforced coding standards, linting, and formatting rules.
- Led regular code reviews to maintain high code quality and consistency.
- Implemented unit and integration testing practices.
- Collaborated on CI/CD improvements to ensure reliable and automated deployments.
- Reduced production incidents by improving code reliability and review processes.
- Mentored junior and mid-level developers and supported their technical growth.
- Provided architectural guidance to engineers.
- Facilitated technical discussions and resolved engineering conflicts.
- Participated in hiring processes and conducted technical interviews.
- Collaborated closely with product managers, designers, and backend engineers to translate business requirements into scalable technical solutions.
- Communicated technical risks and trade-offs to non-technical stakeholders.
- Estimated effort and helped define realistic delivery timelines.
- Ensured protection against common vulnerabilities such as XSS and CSRF.
- Followed best practices for handling sensitive data in client applications.

## Lead Frontend Engineer

Jan 2021 - Jan 2022

Luxinten

### Responsibilities:

Attention to Detail

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Emotional Intelligence

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Problem-Solving

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Adaptability

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Leadership

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Time Management

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Conflict Resolving

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Creativity

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Work Ethic

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Decision-Making

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Networking

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Stress Management

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Self-Motivation

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Open-Mindedness

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Fast learner

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Strong logic, and analytical skills

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## Tools and technologies

Webpack / Gulp / Grunt / Vite

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Leaflet

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Docker, Vagrant

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- Pushed the boundaries of modern frontend development to build fast, scalable, and ambitious web applications that deliver real value to users and clients.
- Collaborated closely with product managers and stakeholders to design and implement features that have a meaningful business impact. By understanding the broader product and business context, I used my engineering expertise to propose practical and creative solutions to complex problems.
- Worked alongside designers to translate concepts and Figma designs into elegant, intuitive, and production-ready UI components, ensuring a high level of visual quality and usability.
- Proactively identified performance bottlenecks and technical limitations, continuously improving application performance as well as the overall frontend developer experience.
- Prioritized engineering quality by writing clean, maintainable, and reusable code, and by promoting strong testing practices to ensure reliability and long-term stability of the system.
- Actively supported and mentor teammates through code reviews, architectural discussions, and day-to-day collaboration, helping maintain high engineering standards and encouraging knowledge sharing within the team
- Implemented OpenAPI specifications to define and document API contracts, improving collaboration between frontend and backend teams and reducing integration issues.
- Designed and developed a reusable UI component library to accelerate development and ensure consistent design across products.
- Conducted architectural reviews and major refactoring initiatives to reduce technical debt and optimize application performance through techniques like code splitting and lazy loading.

## Senior Frontend Engineer

Jan 2019 - Dec 2020

Yakaboo.ua, Kyiv

### Responsibilities:

- Delivered frontend features aligned with business objectives in collaboration with product managers and stakeholders.
- Developed modern, intuitive UI components and translated Figma designs into production-ready interfaces.
- Wrote clean, maintainable, and reusable code, contributing to a shared component library.
- Ensured high code quality through code reviews, proactive issue detection, and adherence to best practices.
- Participated in the full product development lifecycle, from requirements analysis to delivery.
- Improved UI consistency, accessibility, and overall user experience in line with web standards.
- Designed and implemented client-side features and A/B tests using reusable, testable modules.
- Refactored legacy code and improved system performance and maintainability.
- Collaborated cross-functionally with design, product, and marketing teams to deliver high-quality features.
- Contributed to CI/CD processes and supported production releases, including issue resolution.
- Mentored developers and contributed to team knowledge sharing.
- Created technical documentation and maintained unit tests to

GitLab CI, CD / Jenkins

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Elastic Search / Open Search

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Adobe Photoshop / Adobe Illustrator / Figma / AdobeXD / Zeplin / inVision / Canva

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Cloud application hosting: Vercel, Render. Github Pages, Heroku

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ExpressJS

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NestJS

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Compliance with Web Content Accessibility

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ensure reliability and long-term maintainability.

## Senior Frontend Engineer

Jan 2017 – Jan 2019

Ciklum, Kyiv

### Responsibilities:

- Developed the frontend direction for a key product area, influencing architecture, process stability, and taking ownership of features and technical solutions.
- Contributed ideas based on knowledge of evolving frontend technologies and industry trends.
- Proactively communicated with team members and clients to ensure alignment and efficient collaboration.
- Applied industry best practices in development processes and tools, and continuously improved them.
- Delivered and maintained modern user interfaces according to current industry standards.
- Followed and improved code quality standards across the project.
- Analyzed and estimated UI mockups and wireframes to assess technical feasibility and implementation timelines.
- Created technical documentation and maintained well-commented code.
- Implemented and maintained CI/CD pipelines using GitHub Actions.

## Fullstack Engineer

Jan 2015 – Dec 2016

Liga.net, Kyiv

### Responsibilities:

- Developed and maintained frontend and backend services, contributing to system architecture, performance optimization, and code quality improvements.
- Integrated APIs between frontend and backend systems, optimized request handling to improve performance, and worked with HTTP, gRPC, SSE, and GraphQL protocols.
- Designed database schemas and optimized queries in PostgreSQL (AWS RDS) and Redis to improve performance and scalability.
- Designed and maintained a scalable microservices architecture using Docker, improving system reliability and deployment consistency.
- Managed technical debt and led refactoring initiatives to improve maintainability and system performance.
- Conducted code reviews and enforced high code quality through testing strategies (Jest, Playwright, end-to-end tests).
- Implemented CI/CD pipelines and DevOps practices, including GitHub Actions integration and automated deployment processes.
- Delivered clean, maintainable, and well-documented code aligned with engineering best practices.
- Independently delivered features end-to-end, from UI implementation to API development and database design.
- Designed and implemented service-to-service integrations within distributed systems.
- Investigated complex cross-service issues and ensured stability of production releases.
- Mentored middle developers and contributed to team growth through technical guidance and knowledge sharing.

## Frontend Developer

Jan 2012 – Jan 2015

Lindenvally GmbH, Kyiv

### Responsibilities:

- Led the frontend engineering team in adopting and integrating Progressive Web App (PWA) technologies to enhance mobile user experience and offline capabilities.
- Collaborated with UX designers and product managers to develop dynamic, data-driven interfaces that improved user engagement by 20%.
- Evaluated and integrated modern JavaScript build tools such as Webpack, Babel, and ESLint to optimize build performance and maintain code quality.
- Built scalable and maintainable component architectures.
- Integrated frontend applications with APIs and implemented client-side business logic.
- Optimized application performance and improved overall user experience and code quality.
- Wrote clean, well-structured TypeScript code following best development practices.
- Participated in code reviews and technical discussions to maintain high engineering standards.
- Controlled and monitored task delivery
- Documented internal technical processes and solutions.
- Created technical documentation and maintained well-commented code.
- Wrote and maintained unit tests to ensure application reliability.

## Frontend Developer

Jan 2007 – Jan 2012

GeekForLess

### Responsibilities:

- Organized my work independently by managing tasks, creating estimates, and communicating effectively with team members and clients.
- Built and maintained marketing landing pages.
- Developed and improved the UI/UX of internal system tools based on designer mockups.
- Worked closely with designers to implement user interfaces accurately.
- Debugged and improved existing layouts and frontend logic.
- Integrated frontend applications with REST APIs.
- Participated in planning sessions and frontend architecture discussions.
- Maintained clean, testable, and reusable code.
- Continuously learned and improved skills while collaborating with the team.
- Optimized pages for performance, loading speed, and usability.

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## Certificates

### ICAgile Certified Professional

Dec 2017

ICAgile is an accreditation and certification body for agile training. ICAgile provides formal, third-party quality assurance of agile courses and course instructors. Courses and instructors that meet

our standards have demonstrated their commitment to being among the best. We also issue globally-recognized certifications to individuals who complete accredited courses and demonstrate competency along our learning pathways.

### **AWS Certified Solutions Architect Professional**

Oct 2024

I have successfully completed the AWS Certified Solutions Architect – Professional and I am now AWS Certified.

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## Education

### **Bachelor degree in Programming**

Sep 2001 – Jun 2006

Mykolayiv High School, Mykolayiv  
Bachelor diploma

#### **Achievements**

- Completed bachelor degree program
- Focus on programming and engineering
- Professional technical education
- Strong foundation in software engineering principles and design patterns relevant to front-end development.
- Practical knowledge of RESTful API design and integration for efficient client-server communication.

### **Master's degree in Intelligent Decision-Making Systems**

Sep 2006 – Jun 2009

Black Sea State University named after Petro Mohyla, Mykolayiv

**Speciality:** Intelligent systems of making decisions. Master diploma

#### **Achievements**

- Specialized in intelligent systems
- Faculty of Computer Science graduate
- Completed Master diploma program
- Advanced techniques in artificial intelligence and machine learning for decision-making processes.
- Application of data analysis and predictive modeling in decision support systems.
- Development and implementation of intelligent algorithms for complex problem-solving.