



Serhii Avdieiev

Full stack engineer

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Technical skills overview

- Experience - over 20 years
- Typescript - over 12 years
- Node.js - over 5 years
- Full-Stack development - 5 years
- React ecosystem - Over 7 years
- Angular ecosystem - over 5 years
- Vue ecosystem - over 4 years
- AWS Certified Solutions Architect Professional
- ICAgile Certified Professional
- Amazon Cloud Services, Google Cloud Platform, Azure - over 8 years
- Docker, Kubernetes
- CI / CD
- PostgreSQL - over 5 years
- REST APIs, OpenAPI - over 10 years
- English - Advanced
- Compliance with Web Content Accessibility Guidelines (WCAG)
- Hands-on experience with agentic coding tools (e.g. Claude Code, GitHub Copilot, Codex, Cursor) and an understanding of how they work underneath: model APIs, tool calling, agent loops, context management.

Profile

I am a Full stack 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 systems.

In my most recent leadership roles, I have been responsible for defining application 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

Personal details

Date of birth
May 11, 1986

LinkedIn
linkedin.com/in/serhii-avdieiev

Github
github.com/taypyc

Skills

Typescript, ECMAScript

React / Next.js / GraphQL

Redux, Redux Toolkit

Node.JS

TanStack Query

Angular / NgRx / RxJs

VueJS / Nuxt

AWS Certified Solutions Architect Professional

HTML5 / Canvas / CSS

MySQL

PostgreSQL

MongoDB

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.

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

Full stack engineer

Apr 2025 – Apr 2026

Non-disclosure agreement

Responsibilities:

- Led application architecture design from the ground up for a high-load entertainment platform, defining modular structure, state management strategy, and scalable integration patterns to support rapid feature delivery.
- Provided technical leadership across the team, establishing coding standards, conducting code reviews, and driving key architectural decisions aligned with long-term scalability.
- Designed and implemented integration architecture for 100+ external entertainment providers using unified API layers, ensuring consistency and maintainability across diverse services.
- Built and optimized complex payment infrastructure, including fiat and crypto transactions, with multiple third-party payment integrations and secure processing flows.
- Delivered core platform features such as KYC (Know Your Customer) workflows, user account management (balances, transaction history, settings), and financial operations handling.
- Coordinated frontend-backend collaboration by defining API contracts, aligning data models, and contributing to Node.js backend services for transaction processing and performance optimization.
- Leveraged Node.js ecosystem (e.g., REST/GraphQL services, event-driven architecture) to enhance system scalability and improve backend efficiency under high load.
- Actively integrated LLM-powered development tools and AI agents into the workflow to accelerate delivery, automate routine engineering tasks, and improve code quality.
- Led refactoring initiatives for legacy code, improving maintainability, reducing technical debt, and enabling horizontal scalability of the system.
- Optimized application performance through advanced rendering strategies, efficient network handling, caching mechanisms, and edge-case resilience.
- Collaborated closely with product and business stakeholders to refine requirements, balancing development speed with system

RESTful API / Websocket / Service Workers

Design patterns and 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

Frontend Architecture

Technical Leadership

Payment Systems

Scalability Design

KYC Implementation

UI Component Libraries

Soft Skills

Communication

reliability.

- Improved development processes and CI/CD workflows, increasing release velocity and reducing production incidents.

As a result, we delivered a highly scalable and resilient platform capable of handling high transaction volumes and complex financial operations without compromising performance. Reduced time-to-market for new features through well-designed architecture and AI-assisted development workflows. Increased system stability and reduced production issues by enforcing engineering standards and proactive performance optimization. Enabled seamless integration of 100+ providers, significantly expanding business capabilities and revenue streams. Improved maintainability and long-term scalability by refactoring legacy components and minimizing technical debt. Enhanced development efficiency and team productivity through adoption of LLM tools and partial automation of routine tasks. Built a flexible platform architecture that allowed rapid adaptation to evolving business requirements and market demands.

Lead Frontend Engineer

Jan 2022 - Apr 2025

UKRSIBBANK BNP Paribas Group

Responsibilities:

- Led frontend architecture for a CRM platform that digitized paper-based workflows into a scalable, secure system for document and customer management
- Defined project structure, modularization, and state management strategy to support multi-team development
- Built a reusable UI component library using **shadcn/ui** and delivered pixel-perfect implementations from Figma designs
- Integrated with a backend, designing efficient interaction with asynchronous APIs for document processing, KYC, and external services
- Introduced OpenAPI/Swagger-based API contracts to improve collaboration and reduce integration issues
- Aligned frontend data handling with backend models using **SQLAlchemy**, optimizing large data views (tables, filters, pagination)
- Handled async workflows and background processes powered by **APScheduler**, implementing polling and consistent UI state handling
- Implemented key features including digital document signing, KYC multi-step flows, and role-based access control
- Built dashboards and data visualizations using **Recharts**
- Improved performance through code splitting, lazy loading, virtualization, and memoization
- Leveraged LLM tools to accelerate development, automate routine tasks, and support large-scale refactoring of legacy code
- Led refactoring initiatives, enforced coding standards, and improved testing and CI/CD processes
- Mentored engineers, conducted code reviews, and contributed to architectural decisions

Lead Frontend Engineer

Jan 2021 - Jan 2022

Luxinten

Responsibilities:

- Pushed the boundaries of modern frontend development to build fast, scalable, and ambitious web applications that deliver real

Teamplayer

Attention to Detail

Emotional Intelligence

Problem-Solving

Adaptability

Leadership

Time Management

Conflict Resolving

Creativity

Work Ethic

Decision-Making

Networking

Stress Management

Self-Motivation

Open-Mindedness

Fast learner

Strong logic, and analytical skills

Tools and technologies

Webpack / Gulp / Grunt / Vite

Leaflet

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 ensure reliability and long-term maintainability.

Docker, Vagrant

GitLab CI, CD / Jenkins

Elastic Search / Open Search

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

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

ExpressJS

NestJS

Compliance with Web
Content Accessibility

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.

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.

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.