Valeriy Komlev

SOFTWARE ARCHITECT, TEAM LEADER, ENGINEER

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PROFILE

Software Architect and Team Lead with 17+ years of experience delivering scalable, performant, and accessible web applications across banking, education, and social networking. Skilled at designing system architecture, leading cross-functional teams, and mentoring engineers. Product-oriented mindset with a strong focus on UX, adaptive design, and reducing technical debt. Experienced in both frontend and backend development, cloud infrastructure, and modern JavaScript/TypeScript ecosystems.

EXPERIENCE

⊙ May 2025 – Oct 2025

Team Lead/Tech Lead – UK business school

Higher education institution providing degree programs in business and management.

Responsibilities
- Design and architecture of FE parts of the system
- Led replatforming of legacy systems to modern frameworks, reducing maintenance costs
- Defined strategies for technical debt reduction and code quality improvements
- Mentored and managed engineering team, conducted technical interviews
- Collaborated with customers and stakeholders to align technical solutions with business goals

Technologies
React, Next.js, Typescript, Netlify, Azure, Playwright, Tailwind CSS, Contentful

⊙ Dec 2017 – Apr 2025

Team Lead – US-based Product Company (Social Network)

Social network which helps users to create groups and events, communicate with members, upload event photos and work with member data. Product includes various plans including paid enterprise membership where users can manage big groups/events/members and use extra tools for analytics/marketing/business purposes.

Responsibilities
- Drove replatforming effort of the old system and was responsible for the architecture and development of the new platform
- Development of critical parts of FE systems, creation of internal development tools
- Integration with 3rd party systems (Stripe, Mailchimp, etc.)
- Architecture and development of the critical parts of the social network platform on FE and BE sides
- Team leadership, mentorship, technical interviews

Technologies

React, Next.js, Typescript, GraphQL, AWS, Node.js, Playwright, Tailwind CSS, Stripe, Java

Oct 2020 – Jul 2021

Team Lead, Architect – Big banking/service corporation

Car leasing platform for customers with flexible rental terms and payment plans.

Responsibilities

- Designed architecture for web and mobile apps
- Led team development and technical interviews
- Built React Native mobile app with Expo and web application versions, improving customer engagement

Technologies

React, React Native, Expo

Sep 2015 – Nov 2017

Team Lead – Large UK-based bank

The online platform for onboarding commercial and business banking clients. Platform was released under several brands and branches.

Responsibilities

- Designed and delivered frontend applications with emphasis on speed and accessibility
- Cross-team communication and coordination during integration with internal bank systems
- Acted as solutions consultant during product rollout

Technologies

React, Webpack, Typescript, Jest, Postcss

Jan 2015 – Oct 2015

Senior Software Developer – Large UK-based bank

The online platform for managing credit cards for organizations. The product delivered an effective, flexible proposition which improved the overall customer experience.

Responsibilities

- Frontend applications development with emphasis on speed/usability/accessibility
- Directly collaborated with stakeholders to refine requirements

Technologies

Javascript, HTML, CSS, Webpack, Backbone, Marionette.js

Aug 2007 – Dec 2014

Software Developer – Various US/UK based clients

Wide range of small/medium sized projects in web including: video streaming, game development, social network integrations.

Technologies
Javascript, HTML, CSS, Flash, Ember.JS, Backbone, Marionette.js

SKILLS

Core Competencies

- Product-oriented development
- Web performance & accessibility
- Architecture & system design
- Team leadership, mentoring, and cross-functional collaboration
- Strong communication skills

Technical Skills

Frontend Frameworks: React, Next.js, Tanstack, Astro, Svelte

Backend: Node.js, Nest.js, GraphQL

ORMs: Prisma, Knex.js, MikroORM

Cloud & DevOps: AWS, Azure, Netlify

Testing & Tooling: Vite, Jest, Playwright, Cypress, Webpack, CI/CD pipelines, Storybook, Chromatic

Data Sources: SQL, NoSQL, In-memory, Message Brokers

Styling: Tailwind CSS, PostCSS, Sass/Less

Languages: JavaScript, TypeScript, HTML, CSS

Familiar with a wide range of additional frameworks, tools, and technologies gained through years of experience — details available upon request.

EDUCATION

Sep 2005 - Jul 2011

Master of Science: Information Technology

Voronezh State University - Russian Federation