DMITRY SHPIKA

Professional summary

Software Engineer with over 12 years of experience specializing in full-stack and frontend web development. Expertise in TypeScript/ JavaScript and React, complemented by a strong background in creating robust web applications, libraries, and tools. Dedicated to producing clean, well-architected, and thoroughly tested code, ensuring high-quality software solutions. Proven ability to develop and maintain projects of varying sizes, delivering innovative and efficient solutions that meet and exceed client expectations.

Work history

Software Engineer
Self-employed

May 2023 → Present · Part-time / freelance

Responsibilities: Developing a personal language learning application project.

Senior Software Engineer
Picsart, Inc.

Oct 2021 → May 2023 · Full-time

Responsibilities: Developing internal tools and libraries for image processing. Developing new functionality of the web application. Participating in engineering decision-making by creating and reviewing technical proposals. Mentoring junior developers.

Achievements:
- Developed and maintained an internal tool for converting vector graphics into an internal format, used by a company's content team of several people, accelerating and simplifying their work as a result.
- Created a library for pre-processing vector images, which was subsequently integrated into several internal tools.
- Added several new features to the main web application.
- Proposed an improvement for unit testing policy and process, which was partially implemented.

Software Engineer
Swift Invention, Inc.

Jul 2015 → Sep 2021 · Full-time / contactor

Responsibilities: Maintaining, developing and testing Java web applications (Spring), Scala ETL tools for dealing with tabular data and social network graphs. Designing, developing, and maintaining B2B apps (TypeScript, React, GraphQL).

Achievements:
- Fully rewritten (in a team of 4 engineers) a large social network graph web application (Java, Spring), created and maintained an accompanying Extract-Transform-Load (ETL) tool (Scala).

Contacts

LinkedIn: /in/dmitry-shpika
Web: scriptin.github.io

Technical skills

Primary:
- TypeScript, JavaScript
- HTML, DOM, Browser APIs
- CSS, Tailwind, CSS modules, adaptive layouts etc.
- Frontend: React, Astro
- Node.js
- APIs: REST, GraphQL, RPC
- SQL: MySQL, Postgres, SQLite
- CI/CD: GitHub Actions, GitLab CI
- Docker
- Build tools: Webpack, Vite
- Unit testing: Jest, Vitest, etc.

Secondary:
- Python
- Bash
- Kotlin, Gradle
- Graphic/web design
- Security auditing

Previous experience:
- Bootstrap, jQuery, Angular.js
- Java, Scala, Spring Framework, Hibernate, jOOQ
- PHP, Wordpress, Drupal, Joomla, Kohana, Yii
- MongoDB, Redis

Soft skills

- Code reviews with extensive feedback
- Mentoring of junior developers
- Technical writing and proposals
- Presentations, live demos
- IT consulting
- Creative writing

Languages

Language	Level	
Russian	Native	●●●●●
English	C1	●●●●○
Spanish	B1	●●●○○
German	A1	●○○○○
Japanese	A1	●●○○○

- As a leading frontend engineer, designed, developed, and maintained (team of 3-5 engineers) a B2B web application (React/Express, GraphQL API). Integrated 3rd party services for geographic/address data and payments.
- Developed and launched several smaller web applications and sites for corporate clients.

Software Engineer
Teligent LLC

May 2014 → Apr 2015 · Full-time

Responsibilities: Maintaining, developing and testing several Java web applications for corporate clients, written with internally-developed tech based on Spring Framework and Hibernate ORM.

Achievements:
- Extended functionality of account management portals with tens of thousands of users for corporate clients (telecommunication companies).
- Integrated critical 3rd party services: billing, SMS notifications.

Software Engineer
Self-employed

May 2013 → Feb 2014 · Part-time / freelance

Achievements:
- In a personal project, created a largest dataset of character frequencies for Japanese language, as well as several tools and datasets for studying Japanese language.

Software Engineer
Bank Pervomaisky (PJSC)

Feb 2011 → Apr 2013 · Full-time

Responsibilities: Web-application development and maintenance, primarily corporate sites and legacy CRM-systems. Integration with internal SQL Server database. Developing and maintaining websites for partner companies.

Achievements:
- Developed, tested and deployed main website (tens of thousands of users monthly) on Drupal 6..
- Designed, developed, deployed, and maintained a corporate CRM system with several hundreds of users.
- Implemented multiple complex forms integrated with the internal CRM, including credit score calculations, business rules validations, and notifications.

Education

Information security specialist
Kuban State Technological University (KubSTU), Krasnodar, Russia

2005 → 2010 · Higher education

Specialty: "Organization and technologies of information security"

Achievements:
- Diploma with distinction
- Defended thesis: "Usage of polygraph systems in public education institutions"

High school
School of General education #42, Krasnodar, Russia

1995 → 2005 · Primary/secondary education

Achievements:
- Certificate of completion with distinction
- Silver medal
- Several non-podium places (4th and below) on city-wide school olympiads on Math and Physics