

ANDREY POVSTYANKO

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SOFTWARE DEVELOPER

Software Engineer with 5 years of experience developing scalable web applications across both frontend and backend. Demonstrated success in dynamic startup settings and structured Agile environments, delivering impactful solutions in the legal and consulting sectors. Specialized in building modern Single Page Applications (SPA) with server-side rendering using React, Next.js, and TypeScript. Skilled in Node.js frameworks, relational and NoSQL databases, and designing cloud-ready architectures for performance and reliability. Collaborative team player with strong communication skills and a proactive mindset, known for driving clarity and alignment across cross-functional teams.

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- Single Page Applications (SPA) • Server-Side Rendering (SSR) • Component-Driven Development • Web Standards
 - CI/CD Practices • Full-Stack JavaScript Development • Performance Optimization • Cross-Browser Compatibility

Languages: JavaScript, TypeScript

Web: HTML, CSS, React, Next.js, Tailwind CSS, Styled Components, Sass, MUI, Ant Design, Bootstrap

Web Services: REST APIs, GraphQL (basic), WebSockets

Web/App Servers: Nginx, Node.js, Express, Fastify, pm2

Frameworks: React, Next.js, Redux, Zustand, MobX, Overmind, Node.js, Express

Databases: MongoDB, PostgreSQL, SQL (basic)

SDLC: Agile (Scrum), CI/CD, SOLID, DRY, KISS

Tools: Git, GitHub, GitLab, Webpack, Docker, ESLint, Prettier, Jest, Cypress, Playwright, React Testing Library, Figma, VS Code

Platforms: macOS, Linux, Windows

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

PROFESSIONAL EXPERIENCE

BRAINEX (Client: M-Files), Petropavlovsk, Kazakhstan (Remote) • 01/2023 – 01/2025

M-Files is a Finnish tech company, provides innovative information management software that utilizes metadata for efficient data organization and automation.

Frontend Developer

Contributed to an internal marketing automation tool (MVP) and a multi-tenant SaaS platform. Took ownership of core front-end architecture, testing, and performance improvements using React, Next.js (SSR), Node.js, and TypeScript.

- Developed an internal marketing tool from scratch, using Next.js, Node.js, and TypeScript, achieving a fully functional MVP in 4 months that reduced client processing time by 600%.
- Optimized performance-critical modules, using JavaScript, Styled Components, and Web Performance techniques, achieving a 30% reduction in bundle size and page load times.
- Migrated a legacy React frontend from JavaScript to TypeScript, using ESLint and React Testing Library, reducing runtime bugs by 35% and improving code maintainability.
- Migrated over 100 UI components using Ant Design and Styled Components to align with a new design system, completing the transition in under 4 weeks while preserving UX and accessibility.
- Built and maintained 48+ end-to-end tests using Playwright, achieving 80% test coverage and improving release stability across critical user flows.
- Implemented dynamic localization using i18next, made the application language-agnostic, and reduced future language integration effort by 90%.
- Implemented WCAG-compliant accessibility, enabling full keyboard navigation, screen reader support, and raising Lighthouse score from 65 to 90+.

Technologies Used: JavaScript, TypeScript, HTML5, CSS3, React.js, Next.js, Node.js, MongoDB, REST APIs, Styled Components, SASS, Ant Design, Overmind.js, Flux, Git, GitLab, Jest, React Testing Library, Cypress, Figma.

AVERO, Taraz, Kazakhstan • 01/2020 – 12/2022

Avero is a company that initially specialized in providing a B2B SaaS platform for legal and government clients, focused on automating document creation and improving productivity. The company has since shifted its business domain and now operates in the design, production, and sale of furniture.

Frontend Developer

Progressed from junior to mid-level role while working on a B2B SaaS platform for legal and government clients. Led frontend automation, UI modernization, and testing using React, TypeScript, Redux and Cypress.

- Architected centralized state management using Redux Toolkit and RTK Query, resolving 15+ data storage related bugs and improving app scalability and maintainability.
- Migrated 70+ UI components from an outdated Material Design system to modern MUI, improving visual consistency, accessibility, and long-term maintainability.
- Optimized React app performance by introducing lazy loading and refactoring re-renders, reducing initial page load time by 40% and improving Core Web Vitals.
- Architected 5+ automation features in a government system using React and Node.js, cutting processing time for key tasks by 85%.
- Refactored security critical React modules, resolving 5+ vulnerabilities and ensuring zero critical issues in subsequent security reviews.
- Coached junior developers through weekly code reviews, improving adherence to best practices and reducing pull request defects by 25%.

Technologies Used: *JavaScript, TypeScript, HTML5, CSS3, React.js, Redux.js, Flux, MUI, REST APIs, React Testing Library, Jest, Git, GitHub.*

ACADEMIC PROJECTS

Maharishi International University (2025)

- **Cloud Deployment Architectures:** Engineered and deployed a full-stack React/Node.js application on AWS using two approaches:
 1. **Serverless stack** with Lambda, API Gateway, Cognito, DynamoDB, CloudFront, and S3, including a CI/CD pipeline for automated builds.
 2. **VPC-based stack** with EC2 instances, Application Load Balancer, NAT Gateway, route tables, and target groups for high availability and scalability.
 - **AI-Powered Git Workflow Automation:** Automated commit and pull request generation by integrating OpenAI with Git workflows. Standardized commit messages for every code change and generated meaningful pull request summaries, improving developer productivity, review quality, and team-wide consistency.
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EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 10/2027)

Maharishi International University, Fairfield, Iowa

Key Courses: *Web Application Programming, Enterprise Applications, Cloud Computing, Algorithms*

Bachelor in Biology

School of Science and Humanities, Astana, Kazakhstan (06/2023)