

Ruslan Khusainov

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Fullstack Software Engineer with 6 years of experience specializing in UI/UX solutions, data visualization, and component-based development. Proven leadership in cross-functional teams with a strong focus on delivering scalable, extensible systems that drive business impact and measurable outcomes.

EXPERIENCE

Pepper

Feb 2025 – Present

Senior Software Engineer I

Seattle, WA

- Led end-to-end development of internal merchandising and promotional frameworks using React and Node.js, creating actionable workflows and admin portals that increased engagement by 15–25% and conversion by 8–12%.
- Improved mobile storefront performance and observability by resolving bottlenecks in large-scale content rendering, reducing load times by 30–45% and improving frame stability on low-end devices.
- Proposed new incident response processes using **Grafana** and **Rootly**, building custom observability dashboards that reduced alert noise by 30–50% and **MTTR** by 25–35%, significantly improving system reliability.

Stackline

May 2022 – Feb 2025

Software Engineer II

Seattle, WA

- Led a team of 3 to architect an internal operating system for brands using **React**, **GraphQL**, and **Node.js**, designing drill-down visibility views and reporting modules to transform complex 3rd-party datasets into actionable risk management tools.
- Developed and maintained **Airflow** DAGs for automated pipeline orchestration, managing data hydration, deduplication, and validation of large-scale marketing catalogs to ensure audit-ready data integrity.
- Built LLM-powered marketing tools and **Python**-based REST APIs to automate 3rd-party platform integrations, boosting performance by 19% and cutting operational costs by 37%.
- Optimized AWS infrastructure (**S3**, **RDS**, **Lambda**) by identifying bottlenecks in data pipelines and restructuring **IAM** access controls, achieving 80% of cost-savings goals within two weeks.
- Enhanced a **React**-based dashboard with **Highcharts** and **WebAssembly** to handle data aggregation for over 1M records, reducing computation time by 80% for drill-down visibility and reporting.
- Pioneered **A/B** testing for core application features, using data-driven UI optimizations and policy-enforcement workflows to increase sales conversion by 11%

Twisted-Rope

August 2020 - May 2022

Software Engineer

Remote, NY

- Developed a high-scale reporting application featuring interactive D3.js visualizations and drag-and-drop builders, increasing reporting efficiency by 40% and saving users 10 hours per week in audit preparation.
- Created an internal template tool for Accenture using Next.js, improving organizational efficiency by 25% and saving employees 6 hours of manual work per week.
- Migrated CI/CD frontend deployment workflows to AWS (S3, CloudFront), ensuring secure and scalable delivery while reducing monthly infrastructure costs by \$10K.
- Optimized website performance for a streaming web-app, reducing load times by 30% and build times by 60% through refined asset management and pipeline tuning.

EDUCATION

University of Management “TISBI”, Kazan, Tatarstan

M.S. in Applied Informatics

B.S. in Computer Science

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, SQL, NoSQL, GraphQL

Frontend: React, React Native, Next.js, Redux, Relay, d3.js, Highcharts, Vite, HTML, CSS, SASS

Backend & Data: Node.js, Django, REST APIs, Airflow (DAGs), Data Hydration, Pipeline Orchestration, Validation Pipelines

Infrastructure & Security: AWS (Lambda, S3, CloudFront, EC2, RDS, IAM, SQS, CloudWatch), CI/CD, Observability (Grafana, Rootly), Access Controls, Risk Management Tooling

AI & Workflow: AI-First Development (Debugging/Reviewing AI-generated code), Claude, GitHub Copilot, RAG, MCP, Jest, Cypress, Webpack, Puppeteer, A/B Testing