Dmitry Krasnov

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Polyglot programmer and self-starter with a passion for delivering exceptional user experiences and blazingly fast performance. Holding a leading software engineer position with slightly less than four years of experience. **Seeking a full-time Intermediate or Senior Developer§ role** to contribute to innovative projects and integrate into the local work culture in New Zealand.

Expertise

- **Self-Discipline and Productivity:** Strong productivity skills for maintaining product quality and addressing technical debt effectively.
- **System Design:** Proficient in defining use cases, eliciting functional and non-functional requirements, and creating high-level and detailed architectural designs. Skilled at identifying bottlenecks, making informed trade-offs, and ensuring scalability and performance.
- **Rapid Product Launch:** Successfully launched products and features within tight timeframes.
- **Web Development (Frontend)**
    - Specialize in Core Web Vitals and Google Lighthouse optimizations
    - Proficient in various JavaScript frameworks and libraries: React, Next.js, Svelte, SvelteKit, Astro
    - Advanced knowledge advanced rendering patterns and server components
    - Experienced in component life cycles, state management and choosing appropriate solutions
    - Proficient in various styling tools and ensuring cross-browser compatibility
- **Web Development (Backend)**
    - Proficient in clean architectural design
    - Experienced in RESTful, GraphQL, and gRPC APIs
    - Skilled in Node.js frameworks and Go
    - Integration with various databases and IAM solutions
    - Expertise in security best practices
- **DevOps and Infrastructure**
    - Extensive experience with Git and CI/CD pipelines.
    - Proficient in Docker and self-hosting on Linux-based servers
    - Skilled in deploying applications to serverless platforms
- **JavaScript:** Deep knowledge of core concepts and asynchronous programming. Capable of designing event-driven architectures and staying updated with ECMAScript updates.
- **TypeScript:** Specialize in advanced type transformations, unions, and indexing, template literals and type helpers for expressive code.
- **Go:** Adept at writing performant and idiomatic Go code.

Work Experience

SibFU The Office of Scientific R&D   Aug 2023 - Present
Lead Software Engineer   _Remote, Krasnoyarsk, Russia_

- **Product Development:** Led the development and maintenance of critical internal university products
- **Quality Assurance:** Established and enforce coding standards, best practices, and quality control processes to ensure the reliability and accuracy of the application
- **Collaboration**: Collaborated with other university departments, researchers, and stakeholders to understand their data needs and tailor the application to meet specific requirements

Belov.ai LTD   Oct 2021 - Sep 2023
Full-Stack Developer   _Remote Contractor, Auckland, New Zealand_

- **Technical Advisory:** Acted as a subject matter expert, providing technical insights and advice
- **Code Reviews:** Conducted thorough code reviews, ensuring adherence to best practices, identifying potential vulnerabilities, and enhancing overall code quality
- **Application Refactoring:** Improved application performance and maintainability through strategic refactoring efforts, optimizing code and structure
- **TypeScript Migration:** Led the migration of code bases from JavaScript to TypeScript
- **Core Web Vitals Optimization:** Implemented optimizations to meet and exceed Core Web Vitals score (_>98_), enhancing website loading speed and overall user engagement

SibFU Artificial Intelligence Laboratory   Oct 2020 - Aug 2023
Research Assistant   _Full-Time, Krasnoyarsk, Russia_

- Advanced AI model capabilities for smart systems through developing dynamic and real-time client-side applications
- Designed RESTful and Stream APIs in Python for AI model access
- Utilized GraphQL for flexible data querying
- Developed high-performance JAMStack websites for information presentation
- Integrated various Headless CMS platforms
- Leveraged open-source solutions for authentication and identity management
- Utilized object storages for efficient AI/ML data lakes
- Managed server-based and serverless deployments for optimal performance

SibFU Laboratory for Climate Change   Nov 2021 - Feb 2022
and Ecological Development   *Part-Time, Krasnoyarsk, Russia*
as Research Engineer

- Supervised and mentored less experienced developers, providing guidance and fostering their professional growth
- Designed and implemented a complete system architecture tailored specifically for the task, ensuring the best performance and efficiency
- Orchestrated smooth communication between frontend and backend components, optimizing data flow

Achievements

- Consistently achieved Google Lighthouse scores of over 98 and met Core Web Vitals benchmarks
- Enhanced system performance, resulting in a 400% increase
- Rapidly developed MVPs within a 7-day timeframe
- Successfully migrated more than 10 projects to TypeScript
- Led onboarding processes for 5 developers

Education

Siberian Federal University   2017 - 2021
Bachelor's, **Applied Informatics**   Krasnoyarsk, Russia

Siberian Federal University   2021 - 2023
Master's, **Information Systems & Technology**   Krasnoyarsk, Russia

References

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