

DENNIS KRASNOV

Software Engineer

<https://krasnov.dev>
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PROGRAMMING

Java, Kotlin, Spring
Python, Flask
HTML/CSS, JS, TypeScript
React, Svelte, JSP
Dart, Flutter
Rust, C++, C

TECHNOLOGIES

Linux, Docker, Kubernetes
Git, CI/CD, Shell Scripting
PostgreSQL, Redis

SKILLS

Full-stack Development
Architecture Diagrams
UI/UX Design
Mobile Applications
Test-Driven Development

LANGUAGES

Native English
Native Russian
DEL F B2 French

HOBBIES

Powerlifting
Nutrition
Board Games

WORK

Software Developer Intern | CGI Jan 2021 – Apr 2021

- Currently working on Spring Boot microservices in digital platform team

Flutter Technical Editor | Razeware Oct 2020 – present

- Edited “Theming a Flutter App” and “Platform Specific Code” articles
- Ensured technical accuracy of content utilizing expert knowledge of Flutter
- raywenderlich.com provides high-quality tutorials averaging 90k daily views

Software Engineering Intern | Ultimate Software Sep 2019 – Dec 2019

- Developed OAuth2 authorization microservices in identity platform team
- Added custom permissions claim to JWT on critical ForgeRock identity gateway serving 51M users, refactored to prevent zero trust authorization recursion
- Identified production-level architecture issue in event sourcing aggregate which would break future migrations, documented and escalated to tech lead

Freelance Developer | Krasnov Tech Jun 2018 – present

- Acquired customers, gathered requirements, managed customer expectations
- Planned, designed, developed, released, and maintained following products:
- sgbiotec.com – store selling lab-grade fluorescent proteins; React, Shopify API
- Pocket Trade Show – tradeshow platform for salesmen; PHP, MySQL, AWS S3

PROJECTS

Diet Driven | Calorie Counter Mobile App

- Developed novel product idea, validated with target users, created lean canvas
- Optimized projection performance to process 34375 events/s on one thread
- Designed distributed transactions using orchestration-based sagas
- Flutter, Dart, Kotlin, Spring, gRPC, Firebase, Axon Framework, event sourcing

Neural Network Driving | Autonomous car simulation

- Built reinforcement learning algorithm and driving physics engine from scratch
- Won gold at Canada-Wide Science Fair, shortlisted for Intel International Science Fair, presented to Justin Trudeau at invite-only PM's Science Fair
- Java, JavaFX, ANN, neuroevolution, multi-threading, batch-processing

EDUCATION

Bachelor of Computer Science | University of Waterloo 2018 – 2023

- Coursework: data structure analysis, OOP programming in C++, algorithm analysis, operating systems design, computer architecture