

# Daniil Chalov

SOFTWARE ARCHITECT · SOFTWARE ENGINEER · DEVOPS ENGINEER

Stockholm, Sweden

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## Summary

Passionate and experienced Software Engineer with a strong focus on backend development for fintech applications. Proficient in designing and maintaining distributed systems and architecting scalable solutions. Adept at working with various front-end technologies, offering a well-rounded perspective on full-stack development. Known for a meticulous approach to problem-solving and a commitment to delivering high-quality, efficient software solutions.

## Work Experience

### Klarna

Stockholm, Sweden

SOFTWARE ARCHITECT, SOFTWARE ENGINEER

Apr 2022 - Present

- Developed credit card-focused products.
- Integrated APIs, compliance, and reporting systems with Visa.
- Coordinated development planning across multiple teams and departments.
- Contributed to the growth and development of the internal Scala community and ecosystem.

### DSR Corporation

Voronezh, Russian Federation

SOFTWARE ARCHITECT, SOFTWARE ENGINEER

Oct. 2019 - Apr, 2022

- Led the migration of petabytes of data from legacy HSM to modern cloud infrastructure.
- Developed a JVM-based autonomous service to facilitate seamless data transfer and management during the migration process.
- Designed and implemented an on-premise development pipeline for the service, ensuring seamless deployment and operation within the organization's infrastructure.

### Voronezh State University

Voronezh, Russian Federation

THEORETICAL PHYSICS LAB ASSISTANT

Jan. 2019 - Oct. 2019

- Developed computational programs to support research on “Coulomb effects in the high-energy part of above-threshold-ionization spectra in intense bicircular laser fields”.
- Applied functional analysis techniques to enhance the mathematical rigor of theoretical physics research.

## Competencies

### TECH

**Languages:** Scala, Kotlin, TypeScript, Java, SQL, Python, Rust, Haskell, PureScript, Elm, Bash, C/C++, C#, F#, Go, Fortran

**Backend:** HTTP, GraphQL, \*RPC, OAuth, JWT, LDAP, JVM, .NET Core, Node.js, Bun, CLR, Kafka, RabbitMQ, Cats, Doobie, Circe, Shapeless, Spring, Ktor, Jackson

**Frontend:** React, Angular, RxJS, Svelte, MUI, React Native, Electron, Three.js Playwright, Extensions API, WebRTC

**Cloud:** AWS, GCP, EC2, Lambda, RDS, Aurora, DynamoDB, S3, VPC, CloudWatch, API Gateway

**ML:** TensorFlow, Keras, LLM, ONNX, Mediapipe, NumPy, SciPy, OpenCV, Pandas, ScikitLearn

**DevOps:** Docker, Kubernetes, Terraform, Ansible, GitHub/Gitlab CI/CD, Jenkins

### NON TECH

**Project Management:** Risk assessment, Timeline management, Stakeholder alignment, Engagement/negotiation with external partners, Release planning

**Project management tools:** Scrum, Kanban, Agile frameworks, Jira

**Talent growth:** Mentorship and coaching, Onboarding, Evaluation, Conflict resolution, Team building

## Education

### Voronezh State University

Voronezh, Russian Federation

B.S. IN THEORETICAL PHYSICS

2016 - 2020

- Obtained a governmental scholarship. Graduated with honors.

## Hobbies

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**Abstract mathematics:** I discovered my fascination for the topics like category theory, abstract algebra, and topology during secondary school. I've since continued exploring these subjects at university and stay updated on their latest developments.

**Bouldering:** It mixes physical fun with brainpower, offering a lively challenge that boosts strength and problem-solving skills. This social hobby is perfect for making friends while staying active indoors or out on real rocks.

**Traveling:** It's a wonderful way for me to immerse myself in different cultures, learning about their unique ways of life, traditions, and perspectives on the world.

**Metalcore:** Its intense guitar riffs, energetic drum beats, and emotive lyrics provide me with abundant energy and inspiration.