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

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.