



Personal Details

Date of Birth:10.08.1999 (in Russia)

Address:95676 Wiesau, Germany

Languages:German B1, English C1 (Fluent), Russian (Native)

Education:M.Sc. in Computer Science

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Skills

Programming	C++ (11/14), JavaScript, TypeScript, Python, C#, Java, Go
C++ Ecosystem	STL, RAII, Move Semantics, Templates, Meta-programming, Concurrency, CMake, Qt (Qt Creator, Signals/Slots), MFC, SFML, Visual Studio
Web & Frontend	HTML, CSS, Vue, Nuxt, Node.js, Tailwind CSS, Bootstrap, Material Design, Three.js, Leaflet
Backend & Architecture	Spring Boot, MVC, Event-Driven Architecture, Design Patterns, OOP
Cloud & DevOps	AWS (Amplify, Lambda, CodeBuild, SageMaker), Docker
Databases	MySQL, MongoDB
AI & Machine Learning	Foundations of Neural Networks, Language Models, MLOps, Agents Development, ChatGPT, Claude, Gemini, OpenRouter, n8n
Computer Science Fundamentals	Data Structures, Algorithms, Automata Theory, Computational Complexity, Formal Logic, Computer Graphics
Mathematics	Linear Algebra, Calculus
Networking	OSI Model, TCP/IP, UDP, HTTP, Ethernet, MAC/IP, Subnetting, Routing (certified by Cisco Academy)
CAD & Engineering Design	SolidWorks, Autodesk (certified user of Inventor, Fusion, Forge), Parametric Modeling, Blueprinting, FEM/FEA, C3D Kernel
3D & Additive Manufacturing	3D Modeling using Blender, glTF, 3D Printing (certified user of FDM, SLA printers), G-Code
Process Management (BPM)	BPMN, Camunda, Process Mining, Process Planning, Process Management, Fluxicon Disco
Design	Adobe Photoshop, Illustrator, Figma

Work Experience

since 08/2025

Founder, Full-Stack Developer

Hut Finder App, Wiesau, Germany

- Founded and independently built a website for searching mountain huts and planning hut-to-hut tours across the Alpine region
- Reached 30 registered users and 300 visitors/month within 6 months of launch
- Built the frontend in Vue.js and the server side in Nuxt, with a MySQL database; developed the frontend UI for account creation and interactive hut-to-hut route planning using Leaflet
- Developed a custom branded design using custom Vue.js components and Nuxt UI
- Built AI workflows using N8N, AI agents, and web search tools to gather hut information from across the internet, in multiple languages, into a single database
- Integrated an open-source map of Europe, the Overpass query engine, and the GraphHopper route engine to build access routes to huts and locate marked trails between them
- Sourced live hut data and availability from public APIs, so all listed huts and routes reflect current, real availability
- SEO'd the website to improve search engine ranking; 33% of visitors currently arrive via ChatGPT, indicating strong AI-search visibility
- Ran digital marketing campaigns across Instagram, TikTok, LinkedIn, and local newspapers, producing flyers, social media posts, articles, and videos
- Featured in regional press coverage, including a university alumni magazine and local newspapers

since 09/2025

Founder, Full-Stack Developer

Grafy CAD, Bayreuth, Germany

- Founded and independently built a web-based node editor for creating configurable 3D models (home interior and machinery products) using signed distance field (SDF) modeling, rendered instantly in-browser
- Implemented SDF-based geometric operations as a composable node workflow, allowing users to combine primitives into complex, parametric 3D models
- Built the frontend in Vue.js and backend in Node.js/Express
- Built a user platform for creating, saving, publishing, and exporting models as STL files
- Implemented subscription-based payments and an email notification system

01/2024 – 06/2025

Master Thesis Student

SAP Signavio, Bayreuth, Germany

- Conducted a research on a thesis topic for process mining in software engineering
- Extracted and analyzed GitHub repository events from large codebases using Python data workflows and Fluxicon Disco tool to find meaningful insights and create a software engineering process diagram.
- Wrote a 32 pages paper and was overall graded as 2.5 for my thesis work

09/2021 – 07/2025

Full-Stack Software Developer

Cognitive Dynamics (ex. 2112 Innovation Lab), London, UK

- Built a custom cost estimator using proprietary algorithms in JavaScript to instantly calculate 3D-printing costs for fixed sets of home interior products, cutting quote generation time from the industry-standard 1–3 minutes to real-time
- Ported a legacy C++ 3D-printing slicer to run in-browser via WebAssembly, enabling the real-time cost estimation above
- Built a database/backend component cataloging partner manufacturers' resources (materials, colors, and other specs)
- Developed a manufacturer-facing UI for managing available resources, synced in real time with the customer-facing app so users could only select in-stock configurations
- Mentored an intern through onboarding, bringing them to full productivity within one month
- Used Three.js to enable 3D graphics in web browser

09/2020 – 09/2021

Software Engineer Intern

C3D Labs, Moscow, Russia

- Ported a legacy C++ desktop rendering/graphics pipeline to the web using WebAssembly, as part of a 2–4 person team, enabling the application to run in-browser without a native install
- Built a Vue.js frontend for interactive rendering and manipulation of 3D models in the browser
- Developed a Go backend service to load, parse, and process user-uploaded CAD models
- Implemented a custom GLSL shader parser in C++

Education

09/2021 – 08/2025

Computer Science/M.S.

University of Bayreuth, Bayreuth

09/2017 – 09/2021

Applied Computer Science in Mechanical Engineering/B.S.

Moscow Polytechnic University, Moscow

Achievements

2021

UMNIK Grant Winner – 500,000 RUB

FASIE (Russian Innovation Promotion Fund)

Awarded a competitive national R&D grant supporting young scientists commercializing innovative research in engineering design. Selected from a large applicant pool through a multi-stage evaluation of scientific merit and commercial viability. The goal was to research how modern web technologies can advance the creation of engineering computer-aided design through building a PDM system that would work on a web browser.

2020

Forge Research Grant – 3000\$

Autodesk

Awarded for developing an application on the Autodesk Forge platform that generates interactive 3D technical manuals; the project originated as a first-place hackathon prototype.

Interests

Alpine hiking and hiking / tour planning with Bayreuth Mountain Club, open-water swimming in local lakes, street photography, continuous self-development through reflection and reading (currently: digital marketing fundamentals).