CURRICULUM VITAE / EUROPEAN SOLIDARITY CORPS

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European Solidarity Corps Volunteer

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ABOUT ME

Engineering and software development professional with **over seven years of experience** in technology, product development and team leadership. Co-founded an engineering company and led teams of up to 10 people. Experience spans practical engineering, electronics, CAD, prototyping, manufacturing equipment and industrial automation as well as backend development. Has volunteered in environmental protection, animal welfare, education and intercultural exchange. Enjoys hands-on work, mentoring and community projects; seeking a long-term ESC placement in Spain.

PREFERRED VOLUNTEERING AREAS

Environmental protection · Recycling and sustainability · Engineering and manufacturing · Education and youth work · Community development · International volunteering

WORK EXPERIENCE

Oct 2025 – Present

Senior Backend Developer
Linia

- Lead backend development and architecture for an AI-powered collaborative online graphic editor; design microservices, APIs and real-time collaboration.
- Develop file, project, organisation and access-control services, plus integrations with graphic-editing and AI functionality.
- Manage CI/CD, infrastructure, monitoring and deployments; participate in technical interviews.

Tools: Node.js, NestJS, TypeScript, PostgreSQL, Redis, Docker, GitHub Actions, Nginx, Traefik, Grafana, Loki, Prometheus

Sep 2024 – Oct 2025

Senior Backend Developer
KucherDesk

- Developed a collaborative real-time whiteboard platform; designed microservices and backend architecture.
- Built WebSocket and gRPC communications, APIs, access control and integrations; improved performance.
- Maintained production infrastructure and CI/CD processes.

Tools: Node.js, NestJS, TypeScript, PostgreSQL, Redis, Docker

Sep 2023 – Jul 2024

Lead Backend Developer
Tanos Digital

- Led backend development of an aircraft maintenance management platform and designed its architecture.
- Expanded the engineering team from 2 to 10; introduced development processes, conducted interviews and mentored colleagues.
- Delivered the MVP and launched the product for company clients.

Tools: NestJS, TypeScript, React, microservices

Sep 2021 – Sep 2023

Senior Fullstack Developer
Yandex (Yandex Lavka)

- Developed and optimised user interfaces for a grocery delivery platform, improving application performance.
- Participated in architecture decisions, task planning and coordination with developers and product teams.

WORK EXPERIENCE (CONTINUED)

Sep 2019 – Sep 2021

Co-founder / Head of Development
Unica Group

- Co-founded an engineering business in software, industrial automation, manufacturing technologies and prototyping; managed up to 10 employees.
- Led software and hardware projects involving electronic controllers, manufacturing equipment, mechanical design, CAD, CNC machining and 3D printing.
- Worked with clients, presented engineering solutions and coordinated product development from concept to implementation.

Nov 2018 – Aug 2019

Fullstack Developer
GoTech Software

- Developed frontend, backend and business logic for a B2B insurance platform; integrated document-processing workflows.
- Worked with English-speaking clients and independently built a MongoDB database migration tool.

Tools: TypeScript, JavaScript, Angular, MongoDB

SELECTED ENGINEERING PROJECTS

Industrial tyre recycling machine
Designed a machine to shred used car tyres into reusable rubber granules using T-FLEX CAD; helped assemble it. The machine was manufactured and put into operation.

Educational robotics
Contributed to CAD software and physical robotic arms for educational use; completed robotic arms were donated to a school. Studied industrial manipulators, including KUKA systems.

Industrial automation
Developed electronic controllers and software to monitor manufacturing equipment; worked with microcontrollers and industrial data collection, including hands-on assembly, installation and testing.

Manufacturing and prototyping
Worked with FDM, SLA and SLS 3D printing, CNC equipment, 3D modelling and mechanical prototypes, including small foam-cutting and shaping machinery.

VOLUNTEERING EXPERIENCE

StopFires — forest and wildfire protection
Volunteer Software Developer | Montenegro-related project

- Helped develop and test an application coordinating volunteer firefighters; interviewed firefighters to understand field requirements.
- The application was successfully launched as a pilot in Montenegro.

Animal shelters
Russia and Armenia

- Fed and cared for rescued animals, maintained facilities, built enclosures, helped with repairs and supported everyday shelter work.

Farm volunteering
Hands-on farm and property work

- Cared for horses, dogs and other animals; gardened, maintained property, repaired equipment and built a wooden garage for a tractor.
- Participated in physically demanding daily farm tasks.

Programming education
Microsoft-supported education initiative

- Assisted a lead instructor in approximately four C# programming sessions for around 20 teenagers aged 14–16.
- Explained concepts, answered questions and supported practical exercises.

EDUCATION AND TRAINING

Samara State Aerospace University (SSAU) | Samara, Russia | Sep 2016 – 2018
Studies in Information Technology and Software Development (approximately two years; **not completed, no degree awarded**). Topics included programming fundamentals, software development, algorithms and data structures, computer science and information technologies.

CERTIFICATIONS

AWS Certified Developer – Associate

LANGUAGE SKILLS

Russian	Native (C2)	**English**	B2	**Spanish**	A1 (beginner)

DIGITAL AND TECHNICAL SKILLS

Software development	TypeScript, JavaScript, Node.js, NestJS, PostgreSQL, Redis, Docker, REST APIs, microservices, CI/CD, web development.
Engineering & CAD	Computer-aided design, T-FLEX CAD, KOMPAS-3D, Autodesk Fusion, Blender, mechanical design, 3D printing, prototyping, CNC machine operation.
Electronics & machinery	Electronics, industrial automation, microcontrollers, equipment assembly and maintenance; basic knowledge of robotic manipulators.
Practical / manual work	Woodworking, hand and power tools, circular and band saws, drilling and assembly, angle grinders, basic metalworking, furniture assembly, gardening, property maintenance.

COMMUNICATION, INTERPERSONAL AND ORGANISATIONAL SKILLS

Team leadership, project management, mentoring, recruitment, technical interviews, workshop assistance, community building, event organisation, problem-solving and intercultural communication.

PERSONAL PROJECT

Talk & Coffee | Founder and Developer | Ongoing | talkandcoffee.com
Created a free, non-commercial platform for international language exchange. Independently developed and improved the site, promoted it through Telegram communities and Google Ads, and organised and attended meetups using participant feedback to build a local international community.

ADDITIONAL INFORMATION AND INTERESTS

Outdoor activities: Hiking and multi-day trekking (including approximately 40 km with a backpack), camping, sailing and exploring nature.

Gardening and practical work: Growing vegetables from seeds; caring for apple, plum and pear trees; woodworking, repairs and personal engineering projects.

Community activities: Organising and hosting quizzes and hiking trips, cooking, language exchange and bringing people together across cultures.

Living and availability: Living independently since 2016, including student dormitory and shared accommodation. Currently lives in a house with a garden in Yerevan and has lived and worked on a farm as a volunteer. Comfortable with physically demanding tasks and shared community living; interested in 3–12-month placements and practical environmental and educational activities. Russian citizen with permanent residence in Armenia.