

Flori Vula

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Full-Stack Developer – IoT & Cloud Systems

Full-Stack Developer specialized in building scalable IoT platforms, with hands-on experience in developing cloud-integrated dashboards, REST/gRPC APIs, and real-time sensor data pipelines. Skilled in React (TypeScript), Node.js, PostgreSQL, and Docker. Proven ability to lead both frontend and backend development, with a focus on performance, reliability, and clean architecture. Passionate about solving real-world problems with elegant, full-stack solutions.

WORK EXPERIENCE

FourByte Full-Stack Developer – IoT & Cloud Systems	12/2024 – Present Prishtinë, Kosovo
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- Designed and developed two production-grade IoT platforms: Smart Water Metering and Smart Lighting
- Implemented scalable PostgreSQL schemas for tenants, users, roles, sensors, devices, schedules, and zones
- Built full-stack features using React (TypeScript), Node.js (Express), and gRPC to enable real-time data flow and control logic
- Integrated secure JWT authentication, role-based access, and protected routing on both backend and frontend
- Created dynamic dashboards for sensor monitoring, schedule automation, and zone-based lighting control
- Developed REST and gRPC APIs enabling integration with ChirpStack for LoRaWAN device communication
- Containerized backend using Docker and deployed cloud services for production environments
- Collaborated with team on system design, architecture documentation, and Agile sprint planning

DzO Media GmbH Creative Strategist / Video Editor	08/2024 – 03/2025 Remote, Germany
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- Led a creative team of ~10 members, directing the production of ad creatives and visuals tailored for search arbitrage campaigns; developed visual strategy, performance testing approaches, and asset guidelines
- Produced and edited social video ads and visual content using the Adobe Suite, optimizing for engagement and conversion across multiple platforms

FourByte Full-Stack Development Intern (IoT Platform)	10/2024 – 12/2024 Prishtinë, Kosovo
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- Supported backend and frontend development of Smart Water Metering platform
- Participated in full software lifecycle under mentorship and earned promotion to full-time role

LWP-Energie GmbH Full-Stack Developer & Graphic Designer	03/2024 – 08/2024 Stuttgart, Germany
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- Created the company's entire web platform, building both frontend and backend using modern frameworks to present services, handle client requests, and showcase solutions
- Defined the company's brand identity, designing the official logo, choosing brand colors and typography, and producing consistent UI components and promotional materials

Dukagjini Publishing House Graphic Designer	02/2022 – 04/2022 Prishtinë, Kosovo
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- Edited, reviewed and corrected children's educational books

EDUCATION

Bachelor's in Computer Science and Engineering

University for Business and Technology (UBT)

Prishtinë, Kosovo • 10/2021 – 03/2025

PROJECTS

Cosmic Clash – Space Game (Unity)

11/2023 – 02/2024

Developed a browser-based, space-themed physics game inspired by Angry Birds using Unity. Implemented level design, character behavior, physics interactions, and UI flow. Included five playable levels, custom assets, and difficulty scaling. Showcased creative problem-solving, animation integration, and full-cycle delivery from concept to playable build.

Technologies Used:

Unity, C#, Photoshop, Game Design, WebGL

Link:

<https://florivula.github.io/CosmicClash/>

IntegrohuKS – Job Platform for Youth in Kosovo

03/2023 – 04/2023

Built a responsive web platform aimed at connecting young jobseekers in Kosovo with employers. Designed a clean UI for easy navigation and implemented job listing and application features. Prioritized UX, accessibility, and mobile responsiveness to support broad accessibility.

Technologies Used:

React, CSS, JavaScript, HTML5, Firebase (optional if used), UI/UX Design

Link:

<https://www.youtube.com/watch?v=Zcps-uDkknQ>

SKILLS

Languages: TypeScript, JavaScript, C#, Java, Kotlin, SQL

Frontend: React, Shadcn, Tailwind CSS, HTML5, CSS3

Backend: Node.js, Express.js, ASP.NET Core, gRPC

Databases: PostgreSQL, Prisma ORM, MS SQL Server, PostGIS

DevOps & Deployment: Docker, Docker Compose, GCP, CI/CD

Tools & Platforms: Git, GitHub, ChirpStack

Architecture & Patterns: REST APIs, JWT Auth, Role-Based Access Control, Data Modeling

Other / Soft Skills: Agile/Scrum, Team Collaboration, Documentation