MIRON KHORUZHENKO

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LinkedIn | GitHub | Portfolio

PROFESSIONAL SUMMARY

Mechatronics Engineering student with a strong self-taught background in Full-Stack Web Development. Skilled in building complex applications and bridging hardware concepts with modern web interfaces.

EDUCATION

Yildiz Technical University   **Expected 2026**
B.Sc. in Mechatronics Engineering   *Istanbul*
  • Relevant Coursework: Algorithms, Database Management, Control Systems.

42 Istanbul   **2020 – 2022**
Software Engineering Curriculum (C & Algorithms)   *Istanbul*
  • Completed the intensive 'Piscine' selection month and Core Curriculum.
  • Focused on low-level programming (C), memory management, and Unix systems.
  • Developed strong algorithmic thinking and peer-to-peer learning skills.

TECHNICAL SKILLS

  • **Web Development:** JavaScript (ES6+), TypeScript, React, Next.js, Redux, HTML5/CSS3, Tailwind, SASS
  • **Backend & Cloud:** Node.js, REST APIs, Headless CMS (Sanity/WordPress), Supabase (Basic)
  • **Tools & DevOps:** Git/GitHub, Linux (Shell), n8n (Automation), Figma, VS Code
  • **Languages:** Russian (Native), Turkish (C2 - Professional), English (B2)

PROFESSIONAL EXPERIENCE

Lenta Marine   **2022 – 2023**
Software Engineering Intern
  • Developed a ground control station for low-latency video transmission using **GStreamer**.
  • Containerized applications using **Docker** for consistent deployment across hardware.
  • Implemented real-time video processing using **OpenCV**.

Orinium (Startup Project)   **2024 – Present**
Co-Founder & Technical Lead
  • Leading a student-driven R&D initiative to develop autonomous UGV robots.
  • Coordinating a cross-functional team (mechanics, software, electronics).
  • Secured institutional support from incubation centers (Teknopark/BTM).

KEY PROJECTS

Military Gear E-Commerce   *Next.js, Supabase, Tailwind*
  • Built a multi-language store with a custom backend using **Supabase**.
  • Implemented global **CDN** strategies for optimized image delivery.

SaaS QR Menu System   *Headless WordPress, React, GraphQL*
  • Decoupled frontend from backend using **Headless WordPress** for a dynamic menu app.
  • Created an Admin Dashboard for real-time item management.
  • Integrated **i18n** support for 15 languages.

AI Video Generator   *Python, YOLO, Whisper*
  • Automated 'Reels' creation using **YOLO** for face tracking and **Whisper** for captions.
  • engineered a pipeline to process raw video into engaging short-form content.