Deniz Gunes

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Education

Faculty of Engineering of the University of Porto   Porto, Portugal
Bachelor's in informatics and computing engineering [Computer Science]   Expected 2026

Grande Colégio Universal   Porto, Portugal
GPA: 192.3/200, Graduated top of my class with excellence awards.   2022
Competed in Math Olympiads multiple times. I volunteered with an Institution called Kukula to help kids in Africa.

Experience

Ocean Informatix   Porto, Portugal
Co-founder & Full-stack Software Engineer   Jan. 2024 – Present
- Led end-to-end development of custom software and web solutions as the sole engineer, owning architecture, implementation, deployment, and maintenance.
- Collaborated directly with clients to understand business needs, translate them into technical requirements, and iterate quickly based on feedback.
- Designed and implemented solutions across multiple tech stacks, adapting to each client's preferred frameworks, environments, and constraints.
- Gained practical experience that blends technical execution, product thinking, and client-facing communication skills.

Alojamento Ideal   https://alojamentoideal.pt
Developed a Booking and Travel Web App - Repository   Jun. 2025 – Sep. 2025
- Designed and implemented a full-stack web app for property and activity booking and travel management using **Next.js 15**.
- Developed a responsive front-end with intuitive UI/UX using **TailwindCSS** and **shadcn.ui.**
- Implemented a dynamic booking system with real-time availability updates integrated with the **Hostify** property management system, **Hostkit.pt** for invoicing and border control and **Bokun** for activities.
- Ensured data persistence and scalability using **MongoDB**.
- Integrated payments with **Stripe** for secure payments and reliability.
- Deployed to **Vercel**.

Shortn.at   https://shortn.at
Developed a Bit.ly Clone - Repository   Jun. 2023 – Feb. 2024
- Shortn.at was my first full stack project. It started as a personal project but currently has a few clients that pay a monthly fee.
- The first version was made using **Vite** with **React** for the front-end and **ExpressJS** for the backend.
- The database selected was **MongoDB** with the **mongoose** ORM.
- Currently building Shortn V2 to improve code quality, scalability, and maintainability, using modern technologies and industry best practices.
- Upgrading the backend to use Next.js API calls and Server Actions to remove the VPS
- Implementing improved analytics, link management, and QR code generation features.
- Ensuring robust security, optimized database interactions, and seamless integration with payment subscriptions for clients.
- Using **CI/CD** flow and automation with GitHub Actions and other industry standards.
- Following **Agile Methodology** with **Sprints** for development.

Leadership & Activities

Handball Goalkeeper   Porto, Portugal
Team management, Teamwork, Discipline.   Nov. 2019 – Apr. 2024

- As captain of my team, I led us to a commendable 4th place in the national championships. I have proudly represented Portugal in the national team of U19 Handball, as the starting goalkeeper, contributing to our impressive 6th place finish in the U19 World Championship.

American Football Player – Schwabisch Hall Unicorns   Porto, Portugal
Team management, Teamwork, Discipline.   Jun. 2014 – Sep. 2024

- At 20 years old, and after changing to American Football, I embraced the challenge of living independently in Germany with four American roommates. This experience enriched my life skills and fostered my maturity as an adult. I celebrated a significant achievement by winning the German American Football South Division as part of the team.

Skills & Interests

Technical: Typescript, Javascript, C, C++, C#, Java, Python, Rust
Technologies: Next.js, React, Redux, Zustand, MongoDB, SQL, Postgres, Mongoose, Prisma, Git, Gitlab, GitHub actions, Cron, Node, Express.js, Fastify, TDD, Jest, Tauri, Docker, Kafka, MQTT, Unity.
Language: Portuguese (Native), English (Fluent / C1 Certificate from Cambridge English), Turkish (Spoken)
Interests: Full-stack Development, AI and Machine Learning, Embedded Systems, Bio informatics.