

Amir Masnavi *Software Engineer Student*

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Profile

Informatics Engineering student with a strong Mathematics background. Focused on backend development and software architecture using Java, C#, and C. Experienced in Domain-Driven Design (DDD). Seeking an internship to apply engineering best practices in a real-world environment.

Education

Sep 2022 – Present Porto, Portugal	BSc in Informatics Engineering <i>Instituto Superior de Engenharia do Porto (ISEP)</i> 🔗
Sep 2021 – Jul 2022 Tehran, Iran	Bachelor's in Mathematics <i>Shahid Beheshti University</i> 🔗

Projects

Port Logistics Management System

Tech Stack: C#, .NET, React, Next.js, MySQL, Genetic Algorithms.

- Developing an operations module using .NET and REST APIs, backed by MySQL.
- Building a 3D visualization frontend using React to render port operations in real-time.

Drone Fleet Management & Simulation

Tech Stack: Java, C, Docker, GitHub Actions.

- Designed a backend architecture using Domain-Driven Design (DDD) to manage drone paths.
- Engineered a low-level simulation engine in C using shared memory and semaphores to prevent collisions.
- Automated testing and deployment using a CI/CD pipeline on GitHub.

Industrial Production Simulator

Tech Stack: Java, Oracle SQL, PL/SQL, C

- Built a production line simulator to optimize machine schedules and detect bottlenecks.
- Integrated C and Assembly code to interact with simulated machine sensors (temperature/humidity).

Experience

Sep 2024 – Present Porto, Portugal	IT, Partnership & Events Organizer <i>Erasmus Student Network (ESN Porto)</i> 🔗 <ul style="list-style-type: none">- Streamlined internal processes using n8n automation and prototyped event SPAs using v0.- Organized large-scale events (400+ attendees) and negotiated partnerships with businesses.
Sep 2024 – Present Porto, Portugal	Events Department <i>Núcleo de Estudantes de Informática (NEI - ISEP)</i> 🔗 <ul style="list-style-type: none">- Co-organized FallStack 2025 🔗, facilitating networking between students and companies.
Aug 2021 – Mar 2022 Tehran, Iran	Marketing Manager <i>Cllive.net</i> 🔗 <ul style="list-style-type: none">- Led digital content strategies and managed social media user engagement analysis.

Skills

- **Languages:** Java, C#, C, Python, JavaScript, SQL.
- **Technologies:** React, .NET, Spring Boot, Docker, Git.
- **Concepts:** DDD, CI/CD, Agile, Data Structures.
- **Spoken Languages:** English, Persian, Portuguese.