Yonatan Ratner

Israel – Modiin - 7174291 | +972544947267
yonaratner@gmail.com| [LinkedIn](#) | [GitHub](#)

Multi-Disciplinary Software Developer with over a year of experience in API Integration and Automation, specializing in developing scalable solutions for SaaS products. A Computer Science graduate with a robust understanding of programming languages and frameworks, eager to leverage technical skills and a strong commitment to delivering high-quality software solutions in a team-oriented environment.

EXPERIENCE

API Integration & Automation Specialist (SaaS) — *[SAP](#) - 03/2022-03/2023*

As an API Integration & Automation Specialist, I was part of an R&D team in a microservices environment that developed a Customer Data Platform (CDP) solution for a SaaS product, leveraging my in-depth understanding of web fundamentals to identify, research and integrate high-value APIs with our solution, as well as Automation and manual testing of our API connections.

- Integrated leading APIs to expand and strengthen the scope of our CDP solution, ensuring wider coverage and product competitiveness.
- Developed and maintained a custom NUnit automated E2E testing framework, significantly improving API integration reliability.
- Led the full technical implementation of a complex testing case, which required deep understanding of the problem domain and our custom solution.
- Addressed a critical backlog of 35+ API integration E2E tests in 3 months, enhancing the CDP solution's quality and performance.

Shifter (Degree Final Project) - ([GitHub](#))

As part of a university team, I took the lead architecting and single-handedly building the backend (Django) for Shifter, a prototype SaaS streamlining shift assignments in medium-sized businesses.

- Focused on improving scheduling fairness and efficiency, we co-developed an algorithm utilizing LP relaxation to achieve near-optimal solutions quickly.
- We used Google OR-Tools for algorithm development and combined PostgreSQL and MongoDB to create a robust data management system.
- This project solidified my expertise in system design, full-stack development, and leading problem-solving efforts.

Dark Times in Sherwood (Hobby) - ([itch.io](#)), ([GitHub](#))

Developed a dark twist on the Robin Hood story as a 2D platformer in Unity, Implemented Behavior Trees and Finite State Machines for AI and player mechanics, recreating platforming physics from successful games in the genre through manual physics calculations, utilizing Unity's Raycasting to its fullest extent.

- Won Ariel University's game jam competition (2024)

EDUCATION

- **B.Sc. of Computer Science and Mathematics from Ariel University**   08/2020-03/2024

SKILLS

- API Integration: Proficient in data and SaaS integration, utilizing knowledge of Oauth2, JWT, Json, RESTful Apis with HTTP/s, and web tools like Postman, Fiddler, and Wireshark.
- Software Development: Proficient in full-stack development (Python, C#, Java, JS, React, C/C++) including database integration (PostgreSQL, MongoDB), Utilizing Git for version control and leveraging design patterns for efficient code.
- QA: Debugging programs and automating E2E, Performance, and regression tests, utilizing frameworks like NUnit, Junit, and Selenium.
- Collaboration & Communication: Effective at technical documentation and presenting findings, with strong teamwork and customer interaction abilities.