Gabriela Brailovsky
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Passionate and adaptable Software Engineer holding a B.Sc. degree, fueled by a relentless curiosity for technology and a commitment to lifelong learning. While my experience includes hands-on work with Python, Java, and modern front-end frameworks, I view every project as an opportunity to learn, grow, and become proficient in the best tools for the job. I thrive in dynamic, collaborative environments where I can apply my problem-solving skills and continuously evolve as a developer.

**Education**

* **Full Stack Web Development Bootcamp** ,*TechTroop and* *Elevation* | **June 2025 – Present**
* **B.Sc. in Software Engineering** ,*Shamoon College of Engineering (SCE), Ashdod, Israel* | **2021 – June 2025 | GPA 84**
* **High School Diploma |** *Makif Gimel High School, Ashdod, Israel* | **2014-2017 | GPA 98**
10-unit Computer Science track | Final Project: Chess game development in C#

**Projects**

**Electricity Optimization Web App** | **Dec 2024- June 2025**

* Developed a responsive web and mobile-friendly site using React to optimize household electricity consumption.
* Designed and implemented backend services with Supabase (PostgreSQL + serverless functions) and Python, incorporating machine learning algorithms (LSTM, Prophet, XGBoost, Genetic Algorithms) to forecast usage, detect anomalies, and offer personalized energy-saving recommendations.
* Practiced CI/CD workflows for backend deployment and version control via Git/GitHub.
* Built and tested RESTful APIs for seamless communication between frontend and backend, and applied unit testing for backend services.
* Demonstrated self-learning and adaptability, independently exploring advanced topics in AI, data analysis, and full-stack system architecture.

**Web Application: Social Network for Doctors (Team project) | October 2024**

* Worked as part of a **collaborative Agile team** to develop a secure, scalable medical social platform using **React.js**, **JavaScript**, and **Node.js**.
* Created modular frontend components with responsive UI/UX, styled using CSS and dynamic rendering with React Hooks.
* Built backend services with **Node.js** and connected them to **MongoDB** for document-based storage.
* Improved user navigation by 30% through an optimized **search algorithm** and advanced query filtering.
* Implemented **CI/CD pipelines** with GitHub Actions, conducted **integration testing** using Jest, and tracked progress in **Jira**.

**Movie Booking Backend System | March 2025**

* Built a complete backend in Java using Spring Boot, Spring MVC, and JPA/Hibernate to manage movies, showtimes, and bookings.
* Developed and tested RESTful APIs with full CRUD functionality and business logic validation using Jakarta Bean Validation.
* Applied unit and integration testing using JUnit, and practiced exception handling with a custom error response structure.
* Embraced self-learning to master Spring ecosystem and architectural patterns, displaying problem-solving, adaptability, backend performance optimization.
* Used Git, GitHub, and Jira for version control and task tracking, and followed CI/CD principles to streamline delivery.

**Professional Experience**

 **Software Engineer Intern** | Papaya (Startup**) | 2024 - Feb 2025**

* Developed frontend features using Vue.js, Nuxt.js, TypeScript, JavaScript, and JSON.
* Built backend services with Node.js and Supabase (PostgreSQL) to deliver seamless data solutions.
* Integrated third-party services, including authentication, GPT-based AI capabilities, real-time delivery, and checkout systems.
* Conducted independent research and adapted quickly to new technologies in a dynamic environment.
* Used Git and GitHub effectively for collaborative development and version control.

**Skills**

* **Programming Languages: Python**, Java, C#, JavaScript, TypeScript, SQL, Go (basic), Html, CSS
* **Frameworks & Libraries**: Spring Boot, Spring MVC, JPA/Hibernate, React, Vue.js, Angular (learning), Node.js, Nuxt.js, Tailwind
* **Databases & Tools:** PostgreSQL, MySQL, MongoDB, H2, Supabase
* **Tools & Practices**: Git, GitHub, CI/CD (GitHub Actions), JUnit, Jest, JQuery, Agile/Scrum, REST API Design, OOP, Software Lifecycle
* **Soft Skills:** Fast learner, proactive, excellent communicator, collaborative, analytical mindset

**Military Service**

**Israel Defense Forces (IDF)** | Bardelas Combat Unit -*Combat Soldier and Operational Driver* **| 2018-2021**

* Completed **advanced infantry and operational driving training**, demonstrating resilience and teamwork.
* Gained leadership and problem-solving skills in high-pressure environments.

**Languages -** Hebrew: Native | English: Fluent | Russian: Native