Ahmad Danaf

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About Me

A **passionate Software Engineer** with a strong foundation in designing and developing **end-to-end features**, from **UI to database**. Skilled in building **web applications from scratch** using **React.js**, **Node.js**, and **Python/Django**. Excited to collaborate with **Product and Design teams** to create user-centric solutions and deliver impactful experiences. Committed to leveraging **innovative technologies** to solve real-world challenges and drive scalable software solutions.

Education

The Academic College of Tel Aviv-Yaffo   Tel Aviv-Yaffo, Israel
Bachelor of Science in Computer Science   *Expected Graduation: 2025*

- Coursework: **Data Structures**, **Algorithms**, **Operating Systems**, **Database Systems**, **Machine Learning with Python**, **Object-Oriented Programming**, **Advanced Programming in C**, **System Analysis**, and **Java Development**.
- Recognized on the **President's Honors List** for academic excellence.

Professional Experience

Backend Developer, Volunteen [LinkedIn] [Website] [Source Code]   2023-Present

- Optimized backend infrastructure using **Python** and **Django**, improving system performance by **30%**.
- Managed data on **SQL DB** and integrated **AWS** for enhanced scalability, resulting in a **40%** increase in system capacity.
- Secured a **20,000 NIS** annual budget to support community initiatives and foster entrepreneurship in Jaffa.

Personal Projects

SpaceCodey [Website] [Source Code]   2023-2024

- Built a platform for astrophotographers featuring **ISS Tracker**, **Weather Comparison**, and **Astronomy Picture of the Day** using **Django**, **HTML**, **CSS**, and **JavaScript**.
- Increased user engagement by **35%** with a celestial event tracker and optimal shoot time calculator.
- Integrated **real-time weather data** and **SQLite** for scalable, reliable data storage.

Java Project: Sheet-Cell [Source Code]   2024

- Developed a scalable **client-server system** supporting **real-time collaboration** and **data synchronization**.
- Built **RESTful APIs** with **Java Servlet APIs** on **Apache Tomcat** for efficient client-server communication.
- Designed a responsive **JavaFX client** with **role-based access control** for secure multi-user editing.

Volunteer Experience

CoreC++ Conference, Volunteer   2023

- Collaborated with the organizing team to ensure a smooth and successful conference execution.

Skills

- **Programming Languages:** C, C++, Python, Java, JavaScript
- **Web Development:** HTML, CSS, JavaScript, React, Node.js, Express.js, Django, Flask, Spring Boot
- **Database Management:** SQL, MySQL, MongoDB, SQLite
- **Cloud & DevOps:** AWS, Azure, Docker, CI/CD
- **Software Engineering:** Object-Oriented Programming (OOP), Data Structures, Algorithms, RESTful API, JSON
- **Operating Systems:** Linux, Windows
- **Version Control:** Git, GitHub
- **Languages:** Hebrew (Native), English (High Proficiency), Arabic (Native)