

SHARON BAR
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Python Developer | Data Engineer | Web Developer
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PROFILE

Detail-oriented Python Developer and Data Engineer with expertise in developing, testing, and maintaining software applications and data systems. Proficient in various programming languages, operating systems, and cloud services.

EMPLOYMENT HISTORY

❖ Python Developer & Market Monitor, Efficient Frontier Jun 2022 — Present Tel Aviv

- Managed and monitored low-latency HFT trading systems.
- Configured trading algorithms and market-making bots for crypto exchanges (Binance, Okex, Coinbase).
- Developed KPI reports, web scraping automation with Selenium, and a maintenance monitoring service using Python.
- Utilized InfluxDB, Pandas, Numpy, Matplotlib, Streamlit, and asynchronous programming.
- Worked in AWS EC2 environments with a Kanban workflow in Asana.
- Communicated directly with customers and presented projects to R&D stakeholders.

❖ Projects

E-commerce Platform for Selling Canvases

Live Demo: <https://canvas-store-frontend.vercel.app/>

- Developed a full-stack e-commerce platform for selling canvases, incorporating both original and custom-made artworks by the artist Olivia. The project leverages a modern tech stack for a seamless user experience and robust backend functionality.

Backend:

- Built and configured an Express.js server, utilizing Firebase Admin SDK for secure authentication and data management.
- Developed RESTful APIs for handling orders, user profiles, and product data.
- Integrated Firebase Storage for storing images and Firestore for managing orders and user data.
- Structured API routes to manage orders by ID, user ID, and all orders, ensuring efficient data retrieval and management.

Frontend:

- Created a responsive UI using React, ensuring compatibility across various screen sizes.
- Integrated PayPal for payment processing, including order creation and receipt generation.
- Implemented state management with React Context API and client-side routing using React Router.

❖ Technical Skills

Languages & Frameworks:

- Python, JavaScript, Node.js, Express.js, React, HTML, CSS

Tools & Technologies:

- Firebase, Firestore, AWS EC2, Docker, Git, Asana, DBBeaver

Libraries:

- Pandas, Numpy, Matplotlib, Streamlit

Databases:

- Firestore, SQL, MongoDB

APIs:

- RESTful APIs, Firebase Admin SDK

Security & Networking:

- IPS, Firewalls, Proxy