

Akiva Buckman

FULL-STACK DEVELOPER AND MEP ENGINEER

Full stack developer experienced in Python, with a background in MEP engineering. Obsessed with learning new technologies and solving problems with them. Seeking an opportunity to apply these skills as a full-stack developer.

Contact

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📁 [Portfolio](#) 🌐 [GitHub](#) 🔗 [LinkedIn](#)

Work Experience

PYTHON DEVELOPER, 2019-2023
MEP ENGINEER

IBI Group - Arcadis (Tel Aviv Light Rail)

- Designed AMEP systems in the underground stations - extensive 3D spatial and AutoCAD
- Programmed tools that automated and optimized many company processes using Python, Excel, and VBA. Saved at least 2,000 workhours per year and reduced chance for human error by up to 100%. Projects below.
- Team Lead for 300 clash-related Architecture-MEP-Structural RFI's from site. Produced solutions for optimal system placement and obstacle avoidance, using AutoCAD and a self-programmed tool, while coordinating between all relevant disciplines. Responsible for signoff of all of these RFI's.

Tech Skills

- 🐍 Python: Django, Django REST, Postman, API, OOP, Flask, Pandas, Selenium, Tkinter, Xlwings, etc.
- 📄 JavaScript: React, Node.js, Express, HTML, CSS, etc.
- 🗄️ SQL: PostGreSQL
- 📊 Excel (Expert): VBA
- 🔴 AutoCAD

Aliyah / Army

- Aliyah from U.S.A. 2011
- IDF - Infantry 2011-2012



Technical Projects

Music Training Website - (React, JavaScript, NodeJS, Express, SQL) 🌐 🗄️

- Tool that transforms the user's keyboard into a piano or guitar
- Presents users with notes of songs for them to play
- Allows users to record and save their own songs
- Tracks users' progress and statistics
- Plays back user's songs, in same timing and notes that user played

Translation Quizzer - (JavaScript, NodeJS, Express, SQL) 🗄️

- Website that tests users' vocabulary in any language
- Gives users words with increasing / decreasing difficulty
- Allows users to define and change question and answer languages
- Tracks users' progress and level, shows user their detailed statistics

Hotel Website - (Django, Django-REST, Python, OOP, SQL) 🗄️

- Book and edit reservations at the hotel
- Availability and room assignment populated and automated through Python and SQL
- Guest / Visitor authentication



Education

FULL STACK WEB DEVELOPMENT, PYTHON AND JAVASCRIPT PROGRAM 04/2023-08/2023

Developers Institute, TLV Coding Bootcamp

CIVIL ENGINEERING, BSc Ariel University

2015-2019



Languages

- 🇺🇸 English - native
- 🇮🇱 Hebrew - fluent