

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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LinkedIn

GitHub Portfolio

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

Hotel Website - (Django, Python, HTML, CSS, OOP, PostGreSQL)

- Fully functional Django-built website
- Guest / Visitor authentication
- Book and edit reservations at the hotel
- Availability and room assignment populated and automated through Python and SQL
- CSS on every page for user-friendly layout

Recipe Manager - (Python, PostgreSQL, API)

- OOP, GUI tool that allows users to search for recipes and add them to their favorites
- GUI with Tkinter
- Search recipes using a recipe API
- Allow users to add custom recipes
- Favorites and user info stored in SQL database using OOP and Inheritance
- Option to email favorite recipes using SMTPLib and MIME

Document Sorter (Python, OOP, Postman, API)

- OOP, API-based tool that downloaded and sorted 50,000 documents into their relevant directories, used in IBI-Arcadis position
- Retrieved documents using a third-party database's API
- Downloaded the documents into complex directory tree, based on the documents' metadata, using OOP



Education

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

Developers Institute, TLV Coding Bootcamp

CIVIL ENGINEERING, BSc 2015-2019

Ariel University



Languages

- English - native
- Hebrew - fluent