

MOSHE YAKUBOV

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EXPERIENCE

Pawza - Dating App for Pet Enthusiasts - <http://bit.ly/4dzlRc5>

Collaborative team project mentored by Microsoft engineers

Mar 2024 - Jul 2024

- Designed and implemented a full-stack web application using the MERN stack (MongoDB, Express.js, React.js, Node.js), showcasing strong proficiency in scalable, secure web development.
- Developed a responsive and intuitive user interface using React.js, leveraging Hooks and React Router for dynamic client-side navigation and state management.
- Built secure RESTful APIs with Express and Node.js, enabling robust client-server communication and efficient data handling.
- Implemented user authentication and authorization with JWT (JSON Web Tokens) and bcrypt, ensuring secure access control and data privacy.
- Modeled complex user, match, and messaging data structures using Mongoose schemas on MongoDB, enabling flexible, high-performance querying.
- Integrated chat functionality, supporting seamless communication between matched users.
- Followed best practices in clean code architecture, security, and performance—advised and reviewed in collaboration with Microsoft engineers.
- Gained hands-on experience working in a collaborative, team-based environment, using Git and GitHub for version control, code reviews, and agile development workflows.
- Deployed the application to cloud platforms such as AWS, demonstrating skills in deployment and production readiness.
- Utilized Material UI to design a responsive, consistent, and visually appealing front-end interface, leveraging pre-built components and custom theming to accelerate UI development and ensure a modern user experience.

EDUCATION

The Open University of Israel

BSc Computer Science *GPA: 88*

2022 -

SKILLS

Programming languages:	Java, JavaScript, Python
Technologies:	Docker, MongoDB, Express.js, Node.js, React.js, Django
OS:	Linux

PROJECTS

Personal Blogging Platform – Full-Stack Web App Using Django <https://blog-4pcd.onrender.com/>

This project is a full-stack blog website developed using the Django web framework, showcasing strong backend development skills in Python combined with responsive front-end design using HTML and CSS. The platform allows users to register, log in, create blog posts, edit or delete content, and manage their own personal blog space. It features a clean and intuitive user interface, dynamic routing, and personalized content rendering. On the back end, Django's Model-View-Template (MVT) architecture is leveraged to build a maintainable and scalable codebase. The application demonstrates use of Django models for defining data structures, forms for user input and validation, and views and templates for dynamic content rendering. It uses Django's built-in authentication system to manage user sessions and permissions, ensuring secure access and personalized blog management. The site stores blog content and user data in a relational database using Django's ORM, enabling efficient querying and data manipulation. Sessions, messages, and error handling are all implemented according to Django best practices. This project highlights not only technical proficiency in Python and Django, but also the ability to develop full-stack features, implement CRUD operations, and build web applications from the ground up.