

Mark Blumenthal

Full Stack Developer

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[Github](#) - [linkedin](#) - [Portfolio](#)

SUMMARY

Full Stack Developer skilled in JavaScript, and quantum cybersecurity development, with a strong track record in web development, logistics, and property management. My diverse background, including managing a company website and a portfolio of 30 properties, fuels my ability to innovate and solve complex problems.

TECHNICAL SKILLS

Javascript, React, Redux, Typescript, Python, PSQL, HTML, Css, Bootstrap, Node.js, Node-Red

PERSONAL TECHNICAL PROJECT

Glasses - [Github](#) | [Glasses](#)

Glasses, is a full-stack ecommerce web app that allows users to search for and purchase spectacles. Users can log in, add to cart, change color of the product and make payment. Orders & users are stored on a database.

- Developed the backend with JavaScript, Express.js, and Firebase, ensuring efficient order processing, data storage, and secure handling of customer information.
- Built the frontend using Vite and React, enabling dynamic product displays and smooth user interactions for an optimized checkout experience.
- Configured environment variables for both local development and production, ensuring seamless deployment and communication, with deployment handled through Render.com for reliable CI/CD integration.

EXPERIENCE

Full Stack Developer - <https://engode.framer.website/>
Engode

Tel-Aviv, Israel
10/2024 - present

- Developed quantum-safe cryptography systems, implementing FIPS-203 compliant ML-KEM/CRYSTALS-Kyber protocols and building quantum risk assessment tools using Vue.js 3/Vuetify, strengthening the organization's post-quantum security infrastructure through automated certificate discovery pipelines and robust encryption.
- Built and deployed a suite of threat intelligence tools focused on quantum attack surface analysis, including a "Threat-Radar" widget for CVE visualization and vulnerability scanners integrating with NVD/MITRE databases, using Node-RED and MySQL for secure multi-cloud deployments.
- Developed comprehensive security compliance and assessment systems, including a quantum readiness evaluation wizard and automated scanners for sensitive data (PII/PCI/PHI), implementing GDPR compliance checks and quantum-resistant encryption standards to protect against emerging quantum computing threats.

Full Stack Developer / Property Manager - www.hqmproperties.com
HQM Properties

Cape Town, South Africa
01/2016 - 2024

- Collaborated in a team of 3 to design, build, and deploy a new company website for rentals and sales using HTML, CSS, and JavaScript. Implemented a dynamic content management system for easy updates to property listings.
- Developed and optimized a search and filtering system using JavaScript and PostgreSQL for users to efficiently search properties by location, price, and other attributes. Integrated backend technology for fast and relevant results.
- Created user-friendly forms for inquiries and scheduling viewings, ensuring secure data handling with Node.js and Express.

EDUCATION

Full Stack Web Development, Python and JavaScript program
Developers Institute, TLV Coding Bootcamp

Tel Aviv, Israel
02/2024 - 06/2024

Full Stack Web Development, HTML, CSS, Javascript
Boston College

Johannesburg, South Africa
03/2007 – 11/2009

LANGUAGES

English – Native Speaker

Hebrew – Fluent