Alon Barenboim

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I'm a Software Engineer and Freelancer Full Stack developer with 2 years of hands on experience in end to end development of web applications and API's. Software development is my passion. I'm always curious about new technologies and learning new methodologies, as well as best practices. I'll be happy to get an opportunity to prove myself as a helpful team player and an excited developer, and join your team.

Skills

- Front End: React.js, Redux, React Native, Vue.js, JavaScript ES6, TypeScript, Git, Github, Bootstrap, MaterialUI, HTML5, CSS3
- Back End: Node.js, Express.js, PostgreSQL, MySQL, MongoDB, DigitalOcean, Sequelize.js, AWS S3
- Hands-on experience in C, C++, Python and Java, in both Windows and Linux environments.

Experience

Full Stack Developer / Freelancer / 06.2020 – PRESENT

- Developing complex front end UI applications in JS libraries such as React.js, Redux, React Hooks
- Server-side development with Node.js, Express, PostgreSQL and MongoDB
- Experience developing, testing, deploying and support software in a production environment
- Hands on experience in developing API integrations and RESTful APIs
- Experience in Object Oriented Programming (OOP), as well as functional programming concepts
- Highlighted projects:

    IMBarber.com – React/Node.js based online store and corporate website for a barbershop business. This project includes a store management and user authorization systems in a Node.js environment, built using Express.js framework, Sequelize.js as ORM, PostgreSQL as database, and React.js as a front-end library.
    Cellu5G – React Native based mobile application which allows users to locate cellular antennas using GPS geolocation or addresses. Cellu is actively listed in android's Play Store, and was downloaded by thousands of users since deployment.

Education

B.Sc Software Engineer / Ort Braude College, Karmiel / 10.2017 – 02.2022

Final project – Balloon and Camouflage Real-Time detection and liquidation with drones:
    I was responsible for the implementation and integration of YOLO machine learning algorithm in Python and C++, for real time detection of incendiary balloons from a live video stream from a flying drone's camera.
    The system dynamically tracks the targets and points a laser beam towards the target for it's liquidation.
    In this project I was responsible for the implementation, integration, debugging and optimization (C++/Python) of the ML algorithm with a Laser module, which adjusted by pan-tilt servos and controlled by Arduino.

Systems Design and Development / Ort Moshe Sharet, Nof Hagalil / 09.2011 – 11.2013

- Technical Certificate – Ministry of Education, Israel
- Certificate of Excellence – June, 2011 - Rafael ADS Ltd.
- Certificate of Excellence – July, 2013 - Rafael ADS Ltd.

Military Service

Full Service / IAF / 03.2014 – 03.2017

Languages

Hebrew – Native
English – Professional Working Proficiency