Alon Barenboim

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I'm a graduate in Software Engineering and a freelancer Full Stack Developer with more than two years of hands-on experience in End-to-End development of web and mobile applications and APIs. I'm a highly passionate coder with great interpersonal skills and self-learning capabilities, and i'll be more than happy to get the chance to prove it.

Skills

- **Java**, **Python**, **C** and **C++**, in both Windows and Linux environments.
- **Front End:** React.js, Redux, React Native, JavaScript ES6+, TypeScript, Git, Github, Bootstrap, MaterialUI, HTML5, CSS3
- **Back End:** Node.js, Express.js, Spring Framework, Spring Boot, Hibernate, PostgreSQL, MySQL, MongoDB, Sequelize, AWS, GCP

Experience

Full Stack Developer / Freelancer / 06.2020 - PRESESNT

- Developed and designed complex front end UI applications in JS libraries such as React.js, React Native, Redux, MaterialUI
- Developed server side applications in Node.js, Java Spring, Express.js, PostgreSQL and MySQL
- Experienced in developing, testing, deploying and supporting software in a production environment
- Hands on experience in developing API integrations and RESTful APIs
- Experienced in Object Oriented Programming (OOP), as well as functional programming concepts
- Integrated and deployed web application with AWS and GCP cloud services

Education

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

- **GPA:** 82
- **Final project** – Incendiary Balloons real time detection and liquidation with drone:
  - Experienced with deep learning frameworks such as PyTorch, Tensorflow
  - Experience programming in C++ and Python in a Linux environement
  - Implemented and integrated a YOLO object detection algorithm with a camera drone and microcontroller in order to track and destroy incendiary balloons in real time.
  - Improved inference speed achieved by previous group of students by more than 400%
  - Programmed, wired, tested and itegrated Arduino boards with various components

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