

ITAI STEINHERZ

ABOUT ME

I'm Itai, a 17 year-old software engineer from Israel, currently pursuing a Bachelor's degree in computer science at The Open University. I'm experienced in developing backend and cloud applications, CLIs, websites and mobile apps.

SKILLS

- Node.js
- Desktop app development using Electron
- Cloud applications (using AWS)
- Python
- Serverless and microservices architectures
- CI/CD using Travis CI and Github
- React & React Native
- Developer tooling
- Mobile app development using Swift

PROJECTS

NP – 2017-PRESENT

np is a CLI that improves the package publishing experience for Node.js developers by adhering to many best practices and conventions when releasing new versions of a module. The CLI is used by tens of thousands of developers from all over the world, and I'm one of the 3 maintainers who actively maintain and work on the project (Sindre Sorhus, Sam Verschueren, and I).

KNOWLEDGE – 2018-2019

Knowledge is a web application which enables people to get answers to their questions more efficiently, quickly and easily. The premise of the application is that by tagging content using tree-structured tags (through different algorithms, from basic text analysis to advanced NLP and ML methods), we can vastly improve the search results users get in response to their query. The project was developed by a distributed team of 5 developers from all over the world, which I lead (in addition to contributing to the project myself).

MCHAT – 2016-2018

MChat is a mobile app which allows people who are near each other to chat, without the need to register, authenticate or manually pair. The app uses a combination of Bluetooth, WiFi and WiFi Direct in order to create mesh networks of devices, which reflected in real-time in a backend graph database (Neo4j). Each message sent is propagated throughout the entire mesh network.

EDUCATION

THE OPEN UNIVERSITY OF ISRAEL – COMPUTER SCIENCE, 2017-PRESENT

In March 2019, I received a certificate of excellence from The Open University's president and the director of the Israeli Ministry of Education for my high achievements.