



Charles Cohen

Senior Backend Developer / Tech Lead

PERSONAL INFORMATION

First name/Last name:	Charles COHEN
Mobile:	050 - 4449764
Email:	contact@charles-cohen.com
LinkedIn:	https://www.linkedin.com/in/charles-cohen-5974b820/

ABOUT ME

- More than 10 years of experience in Software Development, Back End, Front End.
- Communication, Analysis, Comprehension, Optimization, Teamwork, Management and Innovation.
- Inquisitive mind and perfectionist.

WORK EXPERIENCES

Senior Backend Developer / Tech Lead

January 2020 - July 2023

Wishtrip

Tech Lead from December 2021:

- Responsible of the NodeJS servers development
- Lead the backend team: design APIs, review codes, improve team knowledge
- Design statistics report solution Client (Handlebars, Bootstrap, ChartJS) and Server (getting data from GA4 APIs, Google BigQuery).
- Build a statistic dashboard solution: implement an ETL, build a data warehouse, provide APIs.
- Build a TMS: Tile Map Service from scratch based on Elasticsearch query and Mapbox client.
- Improve APIs performance: denormalize data with Document databases.

Senior Backend Developer:

- Improve Node.js ExpressJS server performance: upgrade Node.js, benchmark APIs, identify memory leaks, set V8 options (use the server memory)
- Writing test workflows with mocha / jest
- Design and Develop restful web APIs services, Socket.io service and lambda services
- Write unit tests with jest.js (mocking modules ...)
- Improve user's localization algorithm for reducing database calls
- Refactor code for implementing server horizontal scaling
- Work on observability: implement logging, metrics and tracing
- Implement with existing architecture a new search engine based on Elasticsearch

CEO / Full Stack Developer

June 2018 - January 2020

Ed&Web Technologies

Managing and developing Web Applications for Startup and companies

- Python & Django development (DRF, GIS, leaflet.js, Telegram API) for Israeli nature and parks authority
- NodeJS (express) application management and development for Webus (Israeli Startup)
- Angular2 application maintenance and development, moving from Bootstrap to Materials for Passman
- Teaching Javascript basics and advanced, NodeJS at Webschool

Full Stack Developer

August 2015- June 2018

Sivan Innovation Ltd.

Lead Developer on Python & Django projects

- Python & Django application (API using Django Rest Framework) architecture, design, and development
- Management of 2 developers: Agile sprints organization, code review, Git management
- Write of asynchronous tasks using Celery and Redis
- Code and queries optimization for better performance using Django debug toolbar
- Write of unit tests and implementation of continuous integration with Jenkins and Travis
- Development of a Mailbox web application using Mailgun

Full Stack Developer

March 2015 - August 2015

Sergata Ltd.

- PHP5 & MYSQL Web Application Development using Laravel 5 (Working with composer)
- Javascript Single Page Application Development using AngularJS & Maintenance (Grunt)

Full Stack Developer

May 2014 - March 2015

Kampyle Ltd.

- Maintenance of existing applications using PHP (Zend Framework), MYSQL, HTML5, CSS3, Javascript
- Development of new Application using Bootstrap, AngularJS
- Unit testing using Karma, Jasmine & Angular Mocks
- Converting PSD Mockup Design into a cross-browser HTML5 website/application

Front End Developer

March 2013 - March 2014

Correlor Technologies Ltd.

Responsible of Front End Development, working in cooperation with the Back End Team.

- Maintenance and Development of Correlor Facebook Application (JS API)
- JS API Development using OOP, HTML5 frames communication, AJAX
- Dashboard Statistics Application development using Google charts library, OOP, AJAX
- Converting PSD Mockup Design into a cross-browser HTML5 website/application

Webmaster

December 2008 - March 2013

Bon Voyage Ltd, Travel agency

Position of responsibility. Working under pressure. Direct contact with agents.

- Development of a Web Application for the agents (Wiki, Touristic Services, CRM...)
- Website maintenance (bug corrections, new module developments etc...)
- Customer databases synchronization through different APIs.
- Newsletter creation and sending every 2 weeks

MILITARY SERVICE

Technician Industrial Management

May 2007 - November 2008

IDF, Armed Forces

- Production systems control and monitoring
- Working on time allocation to production control and monitoring
- Teams and work plan management

SKILLS AND COMPETENCES

Backend	Expert	NodeJS & Express & Typescript, Python & Django (DRF, Celery), PHP & Laravel
Frontend	Intermediate	HTML5, CSS3, Javascript (ES6, Webpack, Babel), Angular2+, Bootstrap, jQuery
Databases	Advanced	PostgreSQL, MySQL, MongoDB, Redis
Tools/Devops	Advanced	GIT, AWS, Docker, Jenkins, Chef
Platforms	Advanced	Linux, Mac OS, Windows

EDUCATION AND TRAINING

Open University

2023

[Introduction to computer science and the Java language](#) (Complexity algorithms, algorithms for sorting and searching, OOP, recursion, efficiency)

E-learning & Books

2019

NodeJS, Angular2, Javascript ES6, Webpack, Babel, Python, Django

Sivan Innovation Ltd.

2016

Workshop 14 days in Python and Django

Hadassah College, Jerusalem

2004 - 2006

Degree in Industrial Engineering

High School Diderot, Paris

2003

Bachelor STI Electronic

LANGUAGES

- Hebrew: read, written, spoken
- English: read, written, spoken
- French: mother tongue