

# MAHMOUD-TUDOR HAMDAN

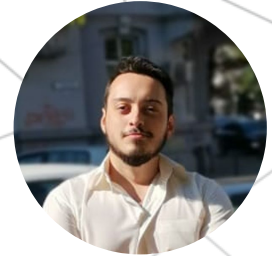
## Senior Frontend Engineer

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Bucharest, Romania



## EXPERIENCE

### Senior JavaScript Developer at Cisco

#### Luxoft (DXC Technology)

12/2020 - Present Bucharest, Romania

Luxoft, a DXC Technology Company, is a digital strategy and software engineering corporation

- Overall scope of work on Cisco products - Developed the UI of data center based network management products, optimizing layouts, enhancing visual design, and adding interactive features to create more user-friendly and efficient products. Aimed for improving the user experience while ensuring scalability and extendability from a developer's perspective (React, Redux, JavaScript).
- Cisco Open-source - Forked, adapted, and extended an open-source API documentation generator to meet business requirements, adding rich functionalities based on data structures and algorithms (React, MobX, TypeScript).
- Cisco Closed-source - Played a pivotal role in enhancing various React components within a product suite, optimizing performance, maintainability, and quality. Actively tracked and addressed issues, ensuring a seamless user experience and contributing to the stability of our core React UI library (React, JavaScript).
- Cisco Showcasing - Developed multiple POC static sites to build a dev community around software solutions, showcasing products and encouraging both outsiders and insiders to use them or become contributors themselves (Next.js).
- Cisco E2E Testing Initiative - Led the technical implementation of end-to-end (E2E) testing throughout some projects (Playwright and a bit of Cypress).
- Growing teams - Mentoring junior colleagues, assessing candidates' hard skills during technical interviews, contributing to the selection of talented individuals who consistently deliver exceptional results.

### Full Stack Developer

#### T2 SRL

2019 - 2020 Bucharest, Romania

Consultancy company providing assistance in the implementation of e-products and web services

- Contributed to 2 products based on Angular 2+
- Developed REST APIs with Node.js/Express and MongoDB
- Got in touch with NoSQL solutions such as Elasticsearch and Redis
- Implemented responsiveness for mobile-friendly web apps

### Backend Developer

#### UMCG (University based)

2019 Groningen, Netherlands

University Medical Center Groningen - a medical centre that is affiliated with the University of Groningen offering supraregional tertiary care to the northern part of the Netherlands

- Gained an understanding of JavaScript and ES6 concepts + SQLite
- Developed a REST API with Node.js and Express
- Got in touch with AGILE software development and SCRUM

## TECHNOLOGIES

### Frontend

React	JavaScript	Typescript	
Angular	SCSS	Redux	Mobx
Playwright	Cypress		

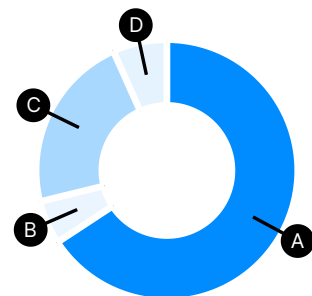
### Backend (basic knowledge)

Node	Express	Java	Spring
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### DBMS (basic knowledge)

PostgreSQL	MongoDB	Redis
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## TECH TIME



- A Frontend (React stack)
- B Backend (Node, Express, NoSQL)
- C Frontend (Angular stack)
- D Backend (JVM, Spring, SQL)

## LANGUAGES

Romanian	Native
English	Proficient
French	Intermediate

## EDUCATION

### MS Computer Science

**POLITEHNICA University of Bucharest**

📅 2020 - 2022 📍 Bucharest, Romania

- Security and Networking
- Embedded systems
- Data mining and warehousing
- Human Machine Interface

GPA

9.9 / 10

### B. Eng. Electronic engineering, telecommunications and information technology

**POLITEHNICA University of Bucharest**

📅 2016 - 2020 📍 Bucharest, Romania

- Data Structures & Algorithms
- Microcontrollers and Embedded Systems
- Web Security
- Neural Networks
- Mobile development
- Image processing, filtering and compression techniques

GPA

8.8 / 10

### BS Computer Science and AI

**University of Groningen**

📅 2018 - 2019 📍 Groningen, Netherlands

- Web Engineering
- Advanced OOP in Java
- Relational Database Management Systems
- Functional Programming in Haskell
- AI concepts in Game Theory and Graph Theory

## ACHIEVEMENTS



### Saved organization \$1 Million a year

This is my biggest achievement in terms of revenue generated at **Cisco**, and one of the first things I've worked on, forking and extending an open-source product for which the Premium License would have costed an **initial \$500k + an additional \$500k/year** for maintenance and domain-driven development by that team.



### Ensuring applications meet and fulfill business expectations

Built a robust, loosely coupled **E2E automation testing infrastructure** that other developers would use to ensure applications behave as expected, making sure user interfaces behave as they were designed to.