



جامعة بيروت العربية  
BEIRUT ARAB UNIVERSITY

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ELEGANT

Co-funded by the  
Erasmus+ Programme  
of the European Union



ELEGANT ERASMUS+ PROJECT  
VIRTUAL PLATFORM FOR INTERNSHIP

*Beirut Arab University, Lebanon*

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## **Virtual Platform for Internship**

"REACH" serves as an automated platform designed to facilitate connections between students and ICT companies. The primary objective of the platform is to generate digital profiles (resembling CVs) for ICT students, incorporating their areas of interest. This feature allows us to easily filter and match students with relevant job offers as they arise.

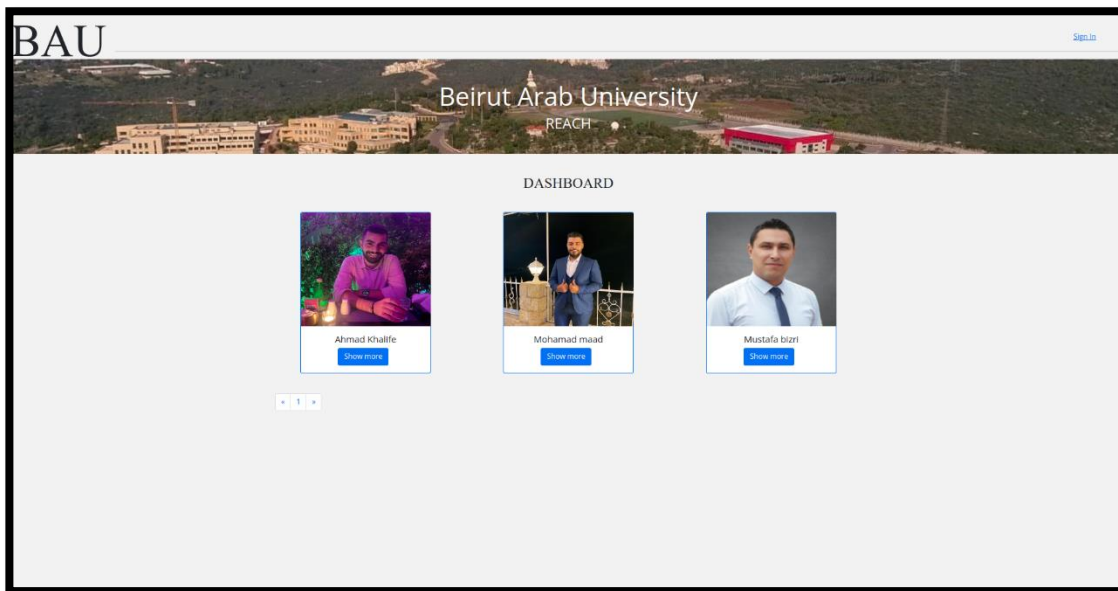
In addition to creating individual profiles for ICT students, the platform hosts profile pages for companies with whom we have Memoranda of Understanding (MOU) or agreements. These company profile pages enable the publication of various opportunities such as internships, part-time, and full-time positions. The overarching goal of this platform is to establish a virtual link between our students and partnering companies, ensuring that students receive email notifications when companies publish opportunities aligned with their fields of interest.

For seamless communication, we have created an email address specifically for REACH: [reach@bau.edu.lb](mailto:reach@bau.edu.lb). Feel free to use this email for any inquiries or correspondence related to the platform.

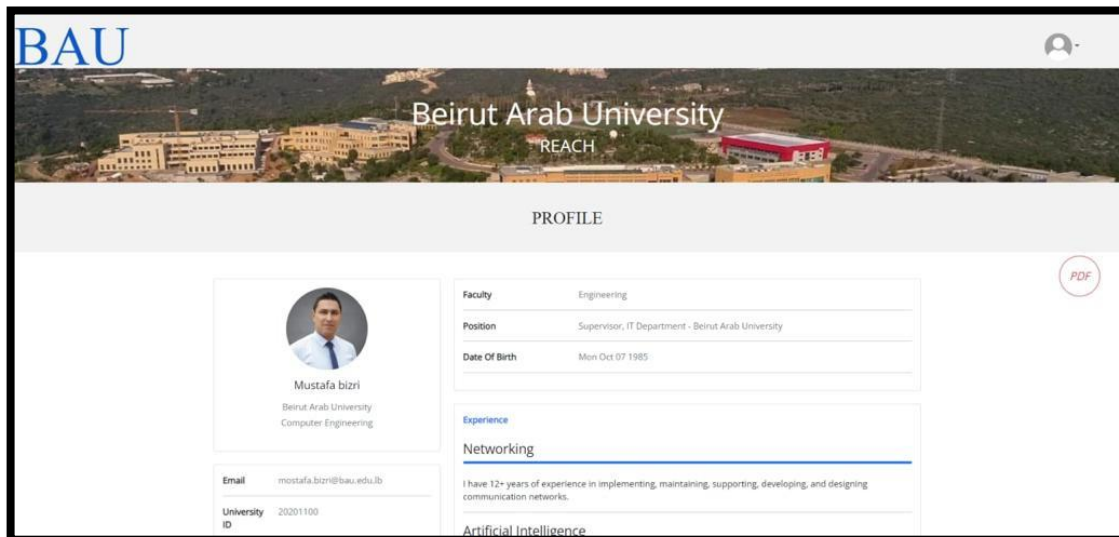
As of now, the front-end pages for students and companies are complete, and we are actively working on establishing the links between these pages, as well as developing admin pages for both companies and students to allow them to edit their profiles. Once the implementation is finalized, a specialized algorithm will connect the two profiles. This integration will enable the display of job opportunities to candidates whose profiles align with the specific requirements of the positions available.

## Screenshots for the frontend – backend and the code

### Dashboard for the students



### Profile Page for a student



Mustafa bizri

Beirut Arab University  
Computer Engineering

Email mostafa.bizri@bau.edu.lb

University ID 20201100

Phone number (only you can see this) 03811632

#### Experience

##### Networking

I have 12+ years of experience in implementing, maintaining, supporting, developing, and designing communication networks.

##### Artificial Intelligence

My master's thesis project is about artificial intelligence, how to make it possible for machines to learn from experience, adjust to new inputs and perform human-like tasks.

##### Information Technology

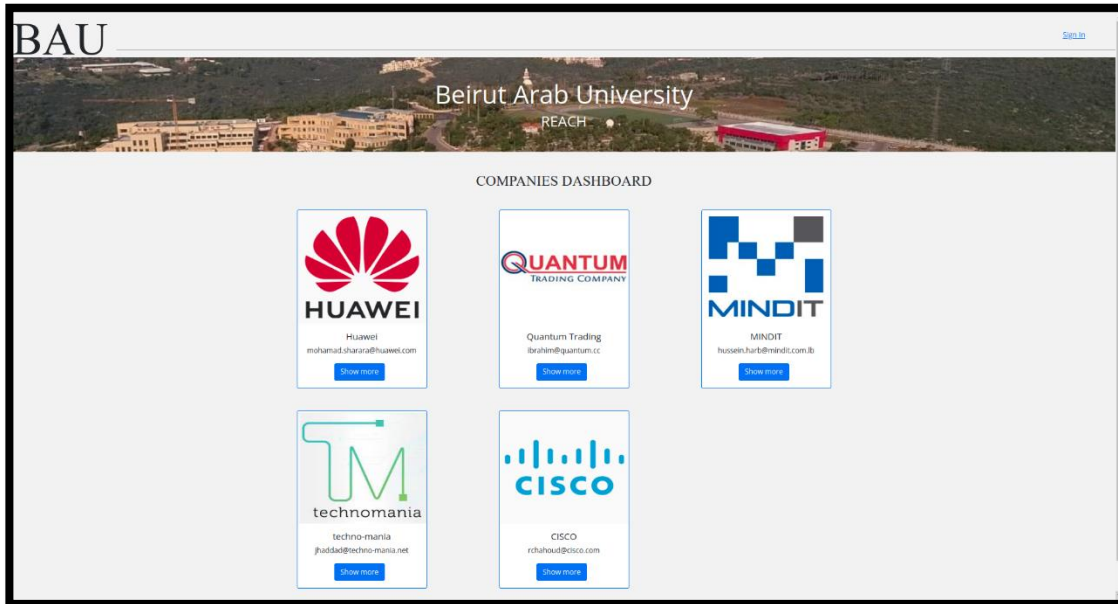
Currently I am the IT supervisor at Beirut Arab University Debbieh campus. Tasks I am in charge of: Managing Barracuda Web Application Firewall (WAF), CISCO FirePower Next-Generation Firewall, FortiGate Next-Generation Firewall, CISCO ISE, CISCO Wireless LAN Controller, PacketShaper 5500, Configuring of VoiceIP - CISCO Call Manager, and support

PDF

#### summary

I am a computer engineer with 12+ years of experience in implementing, maintaining, supporting, developing, and designing communication networks. I have skills in managing projects and system and web administration. In addition to my experience in network administration, I also experienced in teaching computer networks, database systems, network fundamentals, operating systems, and C programming language for different COMPUTER AND COMMUNICATION ENGINEERING levels. Moreover, I am a certified instructor for CCNA, IT Essentials (A+), International Computer Driving Licence (ICDL), and Internet and Computing Core (IC3). One of my strongest points is that I perform well under pressure and I consider challenging complex tasks as a chance to expand my knowledge and to improve constantly.

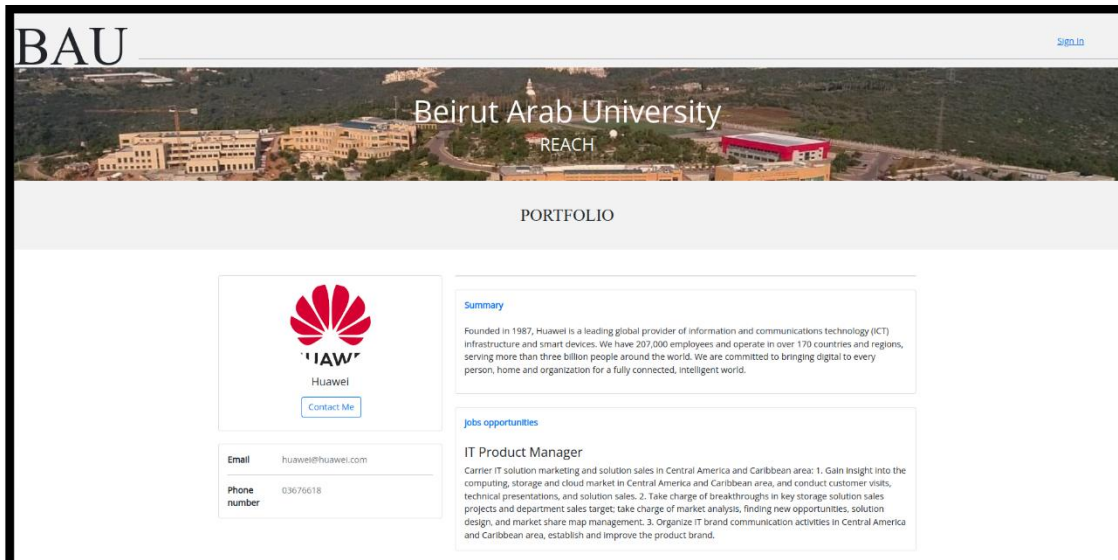
## Dashboard for the companies



The screenshot shows the BAU Companies Dashboard. At the top left is the BAU logo, and at the top right is a 'Sign In' link. Below the header is a banner image of Beirut Arab University with the text 'Beirut Arab University' and 'REACH'. The main section is titled 'COMPANIES DASHBOARD' and contains five company cards, each with a logo, name, contact information, and a 'Show more' button.

Company	Contact Email	Contact Phone
HUAWEI	huawei@mohamad.sharara@huawei.com	
QUANTUM TRADING COMPANY	ibrahim@quantum.cc	
MINDIT	hussein.harbi@mindit.com.lb	
technomania	jihad@techno-mania.net	
CISCO	rshahid@cisco.com	

## Profile Page for a company



The screenshot shows the BAU Profile Page for Huawei. At the top left is the BAU logo, and at the top right is a 'Sign In' link. Below the header is a banner image of Beirut Arab University with the text 'Beirut Arab University' and 'REACH'. The main section is titled 'PORTFOLIO' and contains a profile card for Huawei with contact information and a 'Contact Me' button, and a detailed description of the company's summary and job opportunities.

**Summary**

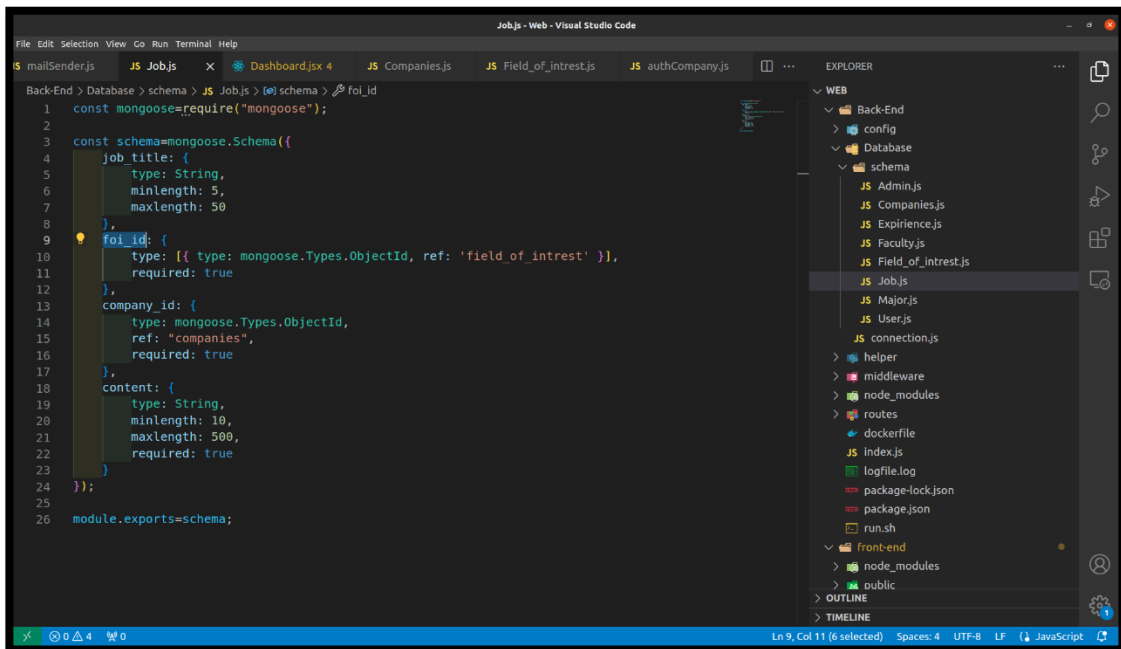
Founded in 1987, Huawei is a leading global provider of information and communications technology (ICT) infrastructure and smart devices. We have 207,000 employees and operate in over 170 countries and regions, serving more than three billion people around the world. We are committed to bringing digital to every person, home and organization for a fully connected, intelligent world.

**Jobs opportunities**

**IT Product Manager**

Carrier IT solution marketing and solution sales in Central America and Caribbean area: 1. Gain insight into the computing, storage and cloud market in Central America and Caribbean area, and conduct customer visits, technical presentations, and solution sales. 2. Take charge of breakthroughs in key storage solution sales projects and department sales target; take charge of market analysis, finding new opportunities, solution design, and market share map management. 3. Organize IT brand communication activities in Central America and Caribbean area, establish and improve the product brand.

## Backend Code



```
File Edit Selection View Go Run Terminal Help
Job.js - Web - Visual Studio Code
mailSender.js JS Job.js x Dashboard.jsx 4 JS Companies.js JS Field_of_intrest.js JS authCompany.js ...
Back-End > Database > schema > JS Job.js > schema > foi_id
1 const mongoose=require("mongoose");
2
3 const schema=mongoose.Schema({
4   job_title: {
5     type: String,
6     minlength: 5,
7     maxlength: 50
8   },
9   foi_id: {
10    type: [{ type: mongoose.Types.ObjectId, ref: 'field_of_intrest' }],
11    required: true
12  },
13  company_id: {
14    type: mongoose.Types.ObjectId,
15    ref: "companies",
16    required: true
17  },
18  content: {
19    type: String,
20    minlength: 10,
21    maxlength: 500,
22    required: true
23  }
24 });
25
26 module.exports=schema;
```

The screenshot shows the Visual Studio Code editor with a MongoDB schema definition for a 'Jobs' collection. The schema is defined in a JavaScript file named 'Job.js'. The schema includes the following fields:

- job\_title**: A string field with a minimum length of 5 and a maximum length of 50.
- foi\_id**: An array of ObjectId fields, each with a reference to the 'field\_of\_intrest' collection. This field is highlighted with a blue selection box.
- company\_id**: An ObjectId field with a reference to the 'companies' collection and a required flag.
- content**: A string field with a minimum length of 10 and a maximum length of 500, and a required flag.

The Explorer view on the right shows the project structure, including a 'WEB' folder with subfolders for 'Back-End', 'Database', and 'schema'. The 'schema' folder contains several JavaScript files, including 'Job.js', which is currently selected.

## Email Sample for Internship Opportunity

Dear Mr. Mustafa Bizri,

I trust this email finds you in good health. We are delighted to inform you about an exceptional internship opportunity available on the BAU - Virtual Platform for Internship, known as "REACH."

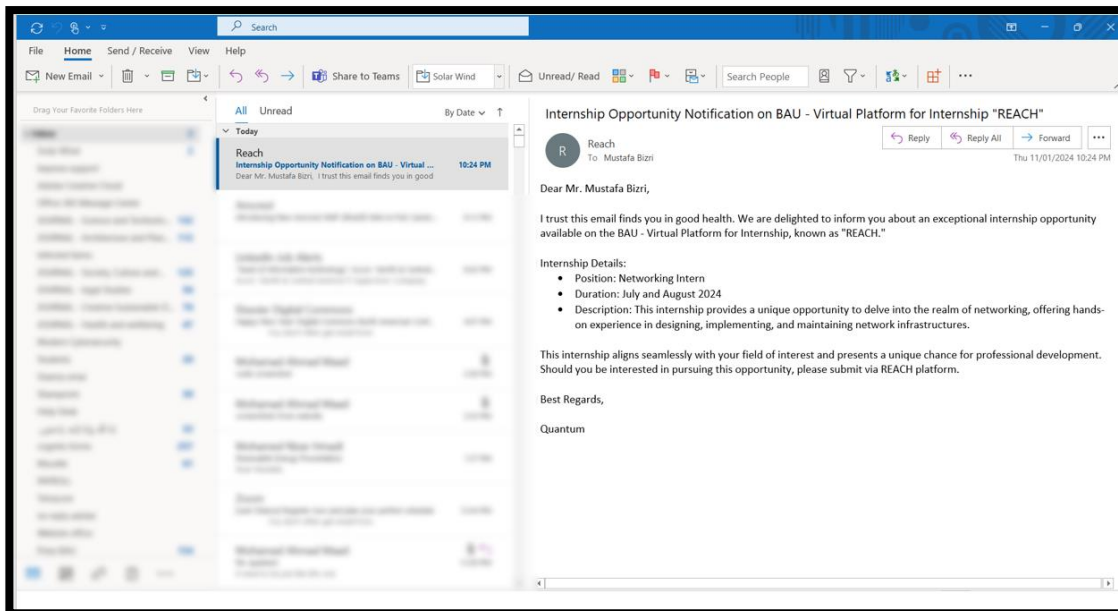
Internship Details:

- Position: Networking Intern
- Duration: July and August 2024
- Description: This internship provides a unique opportunity to delve into the realm of networking, offering hands-on experience in designing, implementing, and maintaining network infrastructures.

This internship aligns seamlessly with your field of interest and presents a unique chance for professional development. Should you be interested in pursuing this opportunity, please submit via REACH platform.

Best Regards,

Quantum





## **Conclusion**

"**REACH**" emerges as a dynamic and purpose-driven platform that bridges the gap between ICT students and companies within the field. With its innovative approach, the platform not only facilitates the creation of detailed digital profiles for students but also provides a space for partnering companies to showcase various opportunities. The seamless communication through the dedicated email address further enhances the user experience. As the platform nears completion, the integration of a specialized algorithm promises to efficiently connect student profiles with relevant job offerings, ensuring a targeted and mutually beneficial interaction between the aspiring talents and the industry. Importantly, "**REACH**" serves as an informative addition to the **ELEGANT** project outcomes, enhancing the project's impact by facilitating meaningful connections and opportunities within the ICT sector. Overall, "REACH" stands poised to revolutionize the recruitment process in the ICT sector, fostering collaboration and opening avenues for professional growth.

## Contact Information

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