

AMEN BOULOUMA



FULL STACK PANCAKE
ARTIFICIAL INTELLIGENCE
BUSINESS INFORMATICS
SOFTWARE ENGINEERING
COMPUTER SCIENCE

10 YEARS EXP
PH.D.
M.B.A.
M.ENG.
B.S.

@ BOULOUMA TECHNOLOGIES, LLC
@ ETH ZURICH
@ TU VIENNA
@ INSA LYON
@ MU CASABLANCA

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Full Stack Pancake, I have accumulated 10 years in Full Stack Pancakeing, software project management, information mining, programming advancement, software design and project management.

Excited, motivated, cooperative with the ability to tune in and adapt, I set forward my specialized and managerial skills for the advancement of dynamic programming that answers the business needs.

Worldwide resident, lived across multiple countries looking to advance technology. I took interest in Hackathons, Seminars, Conferences and Summits mondially, I freed myself up to numerous societies, know-hows and techniques that assist me with being a more open-minded individual and approach issues in an unexpected way.

On a personal level, I enjoy living a stable, positive and healthy lifestyle filled with tiny and creative habits ranging from collecting rare artifacts, gardening and painting to making videos and documenting my living process. A snapshot of those practices is found on my website.

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EDUCATION

Ph.D	ETH Zurich, Zurich, Switzerland Artificial Intelligence	2022 - present
M.B.A.	TU Wien, Vienna, Austria Business Informatics	2019 - 2022
M.Eng.	INSA Lyon, France Computer Engineering	2016 - 2019
B.S.	Mundiapolis University Casablanca, Morocco Computer Science	2013 - 2016

EXPERIENCE

 **Full Stack Pancake, CTO** Jan. 2022 – Oct. 2022
LEAP Global Educational Consultants, Barcelona, Spain (11 m)

As the CTO, I am in charge of leading a team of 4 developers across the globe, 2 from Ukraine, one from Pakistan and another one from India. The goal is to democratize education with the usage of Full Stack and CRM Technologies. The project is split between a Hashura-GraphQL-PostgreSQL-Node Backend and a React-Next.js-TailwindCSS frontend where we manage students, consultants and administrators to enable the students across the world to study in Europe.

React, Next.js, Hasura, Javascript, GraphQL, Docker, Kubernetes, AWS, Node, CRM, PostgreSQL, TailwindCSS

 **Full Stack Pancake** Jul. 2021 – Apr. 2022
xtype.io, Vienna, Austria (10 m)

Part of the xtype.io team, I collaborate closely with the CTO, CEO and COO in order to bring the business agenda to implementation. I take part in the design and the development of the core CI/CD product xtype. Work is very flexible and organized through Jira ticketing and with git practices. I spend most of my time working on new features and solving problems that arise on a recurrent basis either from the front-end coded in Angular of the application or from its backend written in TypeScript.

ServiceNow, Typescript, AWS, Kubernetes, Docker, CI/CD, Python, ElasticSearch, REST, Docker, Java, Angular, git, Jira, Confluence, Atlassian

 **Full Stack Pancake** Feb. 2021 – Jan. 2022

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Be | Shaping the Future Austria, Vienna, Austria

(1 y)

Be is developing a solution for the bank industry called ENRICO. I take the lead on this project, coordinate the moving part in it, develop its features, take part in meetings surrounding this project and contribute to its design and development. It is mainly an application developed with Java and Spring Boot offering a useful API for its users.

Java, REST, Spring Boot, Docker, CI/CD, Git



Full Stack Pancake

Thales, Vienna, Austria

Feb. 2021 – Jan. 2022

(1 y)

Thales has 60 GB of daily incoming raw hardware configuration data files from an FTP server that needed to be scrapped, pushed to an ElasticSearch database and visualized on Kibana for further exploitation. My mission was to craft a software running on another server making this whole process automated and run daily and provide this exploitable data in a visual way. I could accomplish this feat by making a set of programs written with Python using the mentioned technologies. The assignment was carried out to 100% of the data being indexed, exploited and visualized using ElasticSearch and Kibana.

Python, ElasticSearch, FTP, Docker, Kibana, Scrapping, Visualizing, Data exploitation, Git



Full Stack Pancake

XroadMedia, Vienna, Austria

Sep. 2020 – Sep. 2021

(1 y 1 m)

XroadMedia has a prediction API that needs to be tested and the tests are carried out with a 50 kLOC Python test suite. My endeavours were to carry on the tests and to upgrade the test suite from Python 2 to Python 3. I upgraded the test suite using libraries like 2to3 and six to the full extent. I implemented the test that I received weekly to implement.

Python, API, Testing, Python 2 to Python 3, Prediction Models, Jira, Bitbucket, Confluence, Jenkins



Full Stack Pancake

Flave, Vienna, Austria

Sep. 2020 – Sep. 2021

(1 y 1 m)

Flave has an event planning and management software built with Ruby on Rails as a backend, Postgres as a database and React JS as a frontend. My work consisted on crafting news solutions based on the mentioned technologies and the available boilerplates for each incoming client request. I successfully implemented 3 projects for the time I worked for Flave.

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Full-Stack, Ruby on Rails, React JS, Ruby, Javascript, Postgres, Docker, Git, Github, Event Planning & Management

 **Full Stack Pancake**
BeSharp, Vienna, Austria

Mar. 2020 – Feb. 2021
(1 y)

Developing the Information System of the Vienna Cancer Center of the Viennese Hospital. We utilized Python as a programming language, Odoo as an open-ERP framework, PyCharm the IDE used to code, test and deploy and BitBucket for the version control of the coding. I was answerable for the entire undertaking with the assistance of the designers and the business experts working together with the customer about how the task ought to be. We used a Scrum based management system to follow the advancement and we had 2 to 4 week after week meetings to iterate over the features of the venture and to actualize the functionalities requested.

Python, Odoo, PyCharm, BitBucket, Information Systems, SCRUM

 **Full Stack Pancake, CTO**
Snap Clean, Casablanca, Morocco

Sep. 2013 – May 2018
(4 yrs 9 mos)

Snap Clean won multiple Hackathons and Startup prizes and received initial funding from the government to make it happen. A social network with an augmented reality core, this application allows interaction between its users in real time. Developed by Android Studio and Java based on an SQL database, we could provide a solution to a real time problem.

Augmented Reality, Social network, Android, Android Studio, Java, SQL, Azure, UX/UI Design, Adobe Creative Suite, Business Planning, Financial Planning, Networking, Team leading, Full-stack development, Javascript, communication

 **Full Stack Pancake, CTO**
Hirafi, Casablanca, Morocco

Sep. 2015 – Sep 2016
(1 yr 1 mo)

As the only Full Stack Pancake and CTO of the startup, I was mainly dealing with the technical aspect where my colleagues dealt with the business side surrounding the project. I developed the prototype using the designs and the vision of the CEO and the available technology to provide an MVP allowing us to win several prizes and to receive concrete funding.

Android Studio, Android development, Java, SQL, Adobe Creative Suite, UX/UI Design, Team leading, communication

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 **Full Stack Pancake, CTO**
Editeur.ma, Rabat, Morocco

Sep. 2015 – Sep 2016
(1 yr 1 mo)

Fast growing startups needed fast prototyping, the service we provided in Editeur.ma. Using the latest Design and Development technologies, we designed and delivered more than 20 prototypes to the startups operating mostly in the technological field.

Full-stack development, Javascript, HTML, CSS, website design, Flinto, Adobe Creative Suite, Team leading, communication

PERSONAL PROJECTS

 **Core Member of Global AI Hub**
<https://globalaihub.com/>

Jan. 2022 – present
(2 mo)

Join the leading community for AI experts and aspiring talents around the world - Get exclusive access to world-class information, education, career advice, and job opportunities - Become an active shaper of your own career as well as our joint digital future. Core Member and contributor through multiple courses, channels and acute content.

Python, Testing, AWS, Continuous Integration, Developer Tools

 **LocalStack**
<https://github.com/localstack/localstack>

Aug. 2021 – present
(7 mo)

A fully functional local AWS cloud stack. Develop and test your cloud & Serverless apps offline! I took part in developing and documenting this colossal open source project of 38.8k stars on Github.

Python, Testing, AWS, Continuous Integration, Developer Tools

 **3aransia**
<https://github.com/3aransia>

Jan. 2020 – March. 2020
(3 mo)

Transliteration instruments completely created in Python that upholds 76 languages and vernaculars. The product incorporates the documentation, the tests, a python library and an open source repository on Github. I was accountable for developing it, imparting it and gathering enthusiasts around it. This project collected 20 stars on Github and 8 forks, having an introduction page, a public API and a public website. Every one of those assets can be found in this connection: <https://github.com/3aransia>

Python, Flask, Markdown, Github, HTML, Open source, Transliteration, Languages



Opinionytics

Jan. 2018 – Mai. 2018

<https://opinionytics.github.io/opinionytics/>

(5 mo)

Investigation tool for examining and mining text, from sentiment analysis, to sum up the positivity of the content to subjectivity. This venture was a group project for the INSA Lyon free task Fil Rouge organized by the Full Stack Pancakeing branch of our engineering faculty. Fully developed in Python and Django, documented with markdown and HTML. We were a gathering of 5 endeavors on this project. The source codes can in any case be found in the accompanying link: <https://github.com/Opinionytics/>

Python, Django, Markdown, Github, HTML, Open source, Text analysis, Text mining



Amine M. Boulouma, Python Engineering Youtube Channel

Jan. 2017 – present

<https://www.youtube.com/aminemboulouma>

(3 years 11 mo)

Python Engineering and Programming channel totalling various 1.5k endorsers, 10 recordings and 10.000 perspectives around the subjects of python programming and hackathons. It covers generally subjects around innovations mixed with Python language, brilliant use of its modules, Data Science libraries, best practices, tips and efficiency upgrading approaches to complete the vast majority of the work with minimal measure of time and in the most straightforward manner conceivable. All the instructional exercise source codes can be found in my Github profile: <https://github.com/amboulouma/>

Python, Django, Markdown, Github, HTML, Open source, Text analysis, Text mining

Multiple other projects are mentioned in the following Awards and Appearances sections.

HONORS AND AWARDS



Sustainista & Near Protocol Hackathon Prize Winner

2022

Participation with Near Data, a blockchain protocol to communicate data in a decentralized and securised environment, the winner of the Sustainista & Near Protocol prize

Near Protocol, Near Wallet, Blockchain, Github, Git, Strategy, Business, Pitching, Networking, React, Figma, Design, Smart contracts



Core Member at Glocal AI Hub

2022

Community for AI Education and Career Opportunities!

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Artificial Intelligence, Data mining, Data processing, Data gathering, scrapping

 **Third time Erasmus Scholarship INSA Lyon - TU Wien** 2021
Third scholarship for international studies

International studies, technology, business

 **Second time Erasmus Scholarship INSA Lyon - TU Wien** 2020
Second scholarship for international studies


International studies, technology, business

 **First time Erasmus Scholarship INSA Lyon - TU Wien** 2019
First scholarship for international studies


International studies, technology, business


 **Young Talent Scholarship INSA Lyon, France** 2018
Young talent scholarship awarded for international participation in Hackathon

Hackathon participations and honors

 **1st Prize of the Ericsson Coding Challenge and Junction Hackathon** 2018
Finished first on a set of 11 problems coded in python and with 1470 points over 1500

Python, coding challenges, problem solving, data structures, algorithms


 **3st Prize of the Hack En Ardèche** 2018
Participation with DataEval, a python data evaluation game, the 3 place on the podium of the Hack'en Ardèche Hackathon 2018

 **1st Prize of the ScreenDy Hackathon** 2016
Participation in the ScreenDy Hackathon with SnapClean and winning the first place

Android Studio, Java, Mobile developments, strategy, technology, leadership, SQL, design

 **1st Prize of the MCISE Gamification Hackathon** 2016
Participation in the MCISE Gamification Hackathon with SnapClean and winning the first place

Android Studio, Java, Mobile developments, strategy, technology, leadership, SQL, design

 **1st Prize of the HubAfrica Hackathon** 2016
Participation in the HubAfrica Hackathon with Hirafi and winning the first place

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Android Studio, Java, Mobile developments, strategy, technology, leadership, SQL, design

 **1st Prize of the Safi Startup Weekend** 2016


Participation in the Safi Startup Weekend with Hirafi and winning the first place

Android Studio, Java, Mobile developments, strategy, technology, leadership, SQL, design

 **3rd prize Google Innovation Day** 2015

Participation in the Google Innovation Day with YourDoctor, a symptom identifier application, and winning the third place

Android Studio, Java, Mobile developments, strategy, technology, leadership, SQL, design

 **1st in Class second year of preparatory classes Mundiapolis University** 2016

First in Class Honors for the second year of the engineering preparatory classes

Technology, Mathematics, Physics, Engineering and deep Tech excellence

 **Excellence scholarship Mundiapolis University second year** 2015

Excellence scholarship for top grades

Technology, Mathematics, Physics, Engineering and deep Tech excellence

 **1st in Class first year of preparatory classes Mundiapolis University** 2015

First in Class Honors for the first year of the engineering preparatory classes

Technology, Mathematics, Physics, Engineering and deep Tech excellence

 **Excellence scholarship Mundiapolis University first year** 2014

Excellence scholarship for top grades

Technology, Mathematics, Physics, Engineering and deep Tech excellence

APPEARANCES

2021

 **Full Stack Pancake**, Hacktoberfest 2021

Git, Github, Open source contributions, 10 contributions on various projects, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, Theta Hackathon Q3 2021

Theta network, Blockchain, smart contracts, React, Blockchain Wallets, Team Leadership, Team building, Networking, Business Building, Pitching

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 **Full Stack Pancake**, PyTorch Annual Hackathon 2021

AI, Pytorch, Python, Data mining, Data models, AI models, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, HECO Gaming Hackathon 2021

Gaming, Unity 3D, Design, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, IGNITION | A Global Solana Hackathon


Solana Network, Blockchain, Blockchain Wallets, React, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, AWS Graviton Hackathon

AWS, Lambda, Serverless, EC2, Elastic Load Balancing, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, Codegeist 2021

Python, Git, Problem Solving, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, Boosting radically honest products with AI and data
React, Team Leadership, Team building, Networking, Business Building, Pitching

2020

 **Full Stack Pancake**, Huawei 5G Hackathon, Düsseldorf, Germany

React, Team Leadership, Team building, Networking, Business Building, Pitching


 **Workshop host**, HackQuarantine 2020, online, organized in the UK

React, Team Leadership, Team building, Networking, Business Building, Pitching

2019

 **Full Stack Pancake**, FinTech Hackathon 2019 at Talent Garden, Vienna, Austria

React, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, Business Maniacs Conference 2019, Vienna, Austria

React, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, Hackathon "Digitaler Tourismus" 2019 at Talent Garden, Vienna, Austria

React, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, Junction Hackathon Austria 2019, Vienna, Austria

React, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, Elite Seminar 2019, Dusseldorf, Germany

React, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, Be5 HackDays 2019, Munich, Germany

React, Team Leadership, Team building, Networking, Business Building, Pitching

2018

 **Full Stack Pancake**, Hackathon HackLights Renault 2018, Paris, France

React, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, Junction Hackathon Finland 2018, Helsinki, Finland

React, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, VivaTech and TechCrunch Hackathon 2018, Paris, France

React, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, Next Brain Generation Hackathon 2018, Paris France


React, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, Hack'en Ardèche Hackathon 2018, Mirabel, France

React, Team Leadership, Team building, Networking, Business Building, Pitching

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 **Full Stack Pancake**, Hack/Tixx Hackathon 2018, Praha, Czechia

React, Team Leadership, Team building, Networking, Business Building, Pitching

2017

 **Full Stack Pancake**, Hackathon Renault 2017, Paris, France


Matlab, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, Hack Stuttgart 2017, Stuttgart, Germany

React, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, IATA and NDC Hackathon 2017, Polytechnique X, Paris, France

Unity 3D, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, House of Cars By Renault Hackathon, Paris, France

Matlab, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, VivaTech Hackathon 2017, Paris, France

Full-stack, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, Educathon Grenoble 2017. Grenoble, France

Full-stack, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, Google Cloud After Work Startup, Paris, France

Full-stack, Team Leadership, Team building, Networking, Business Building, Pitching

2016

 **Full Stack Pancake**, Startup Weekend Tetouan 2016, Tetouan, Morocco

Full-stack, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, HubAfrica Hackathon 2016, Casablanca, Morocco

Full-stack, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, ScreeDy Hackathon 2016, Skhirat, Morocco


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Full-stack, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, Startup Weekend Safi 2016, Safi, Morocco

Full-stack, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, MCISE Gamification Hackathon 2016, Rabat, Morocco

Full-stack, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, Innovation Day Mundiapolis 2016, Casablanca, Morocco

Full-stack, Team Leadership, Team building, Networking, Business Building, Pitching

2015

 **Full Stack Pancake**, Innovation Day Mundiapolis and Google 2015, Casablanca, Morocco

Full-stack, Team Leadership, Team building, Networking, Business Building, Pitching

 **Full Stack Pancake**, WeHack Hackathon 2015, Casablanca, Morocco

Full-stack, Team Leadership, Team building, Networking, Business Building, Pitching

COMMUNITY SERVICE



Global AI Hub

Core Member

AI, Data Processing, Team Leadership, Team building, Networking, Business Building, Pitching



LocalStack

Open Source Contributor

Python, AWS, Team Leadership, Team building, Networking, Business Building, Pitching



Programming Students

Community Manager

Python, Problem Solving, Team Leadership, Team building, Networking, Business Building, Pitching



Mundiapolis Informatics Club

President

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*Mobile development, Web development, Team Leadership, Team building, Networking,
Business Building, Pitching*

 **Enactus**

Head of IT Department


*Project Management, Team Leadership, Team building, Networking, Business Building,
Pitching*

LANGUAGES


 **English:** Fluent, TOEIC 945/990, Linguaskill Cambridge Proficient C1 or above

 **Arabic:** Native Language


 **French:** Native Language


 **German:** Intermediate Listener, Novice Speaker, Advanced Reading and Writing

 **Italian:** Novice Listener, Speaker, Reading and Writing


 **Spanish:** Novice Listener, Speaker, Reading and Writing


 **Russian:** Novice Listener, Speaker, Reading and Writing

 **Japanese:** Novice Listener, Speaker, Reading and Writing

 **Russian:** Novice Listener, Speaker, Reading and Writing


SKILLS

 **Programming Languages :** Python, Java, JavaScript, HTML, CSS, C#, Dart, C++, Typescript, Kotlin

 **Frameworks:** Angular 6, Flutter, Django, React, React Native, Vue.js, Ruby on Rails, Spring Boot, Tailwind CSS

 **Blockchain Networks:** Bitcoin, Ethereum, Solana, NEAR

 **API:** REST, GraphQL


 **Database:** MySQL, ElasticSearch, SQL, NoSQL, PostgreSQL, Hasura


 **CI/CD:** Git, SVN, Docker, Kubernetes, Git Flow

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 **Cloud:** AWS, GCP, DigitalOcean, Versel, AWS Lambdas

 **Scientific Skills:** Mathematics, Statistics, Algorithms, Scientific Research


 **Technologies:** Full-Stack, Blockchain, Cryptocurrencies, AR, VR, XR


 **Data Science:** R, Jupyter Notebooks, Scikit Learn, Dedupe

 **IDE:** IntelliJ IDEA, Android Studio, Eclipse, Netbeans, Visual Studio Code, PyCharm

 **Operating Systems:** Linux, Windows, MacOS

 **Platforms:** G-Suite, Kaggle, Github, Bitbucket, Gitlab



 **Hard Skills:** Technology Research, Project Management, Testing, Design

 **Soft Skills:** Problem solving, Empathy, Team Leadership, Networking

 **Management:** Jira, Confluence, Atlassian, Ticket systems, Microsoft teams

OTHER

Interests/Hobbies

 Yoga,  Driving,  Mental Health,  Reading,  Ideas,  Cooking,  Journal,  Art,  Walks,  Meditation,  Gardening,  Vinyl,  Toy Cars,  Artefacts,  Objects,  Bars,  Builds,  Code,  Shoes,  Games,  Left Hand Writing,  Sports,  Party,  Events,  Movies

Citizenship

Moroccan

Residency

French, Emirati

REFERENCES

 **Guntram Rainer**, Contact Center Technology Specialist, CEO at BeSharp

Mr. Mohamed Amine BOULOUMA, was employed in our company as a software programmer.

The activities essentially included:


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Implementation of programming work with the Odoo framework as part of a project to support oncology patients.

Mr Boulouma carried out the work and tasks assigned to him independently and was very popular with his colleagues due to his friendly and courteous nature.


We thank you for the very good cooperation and wish Mr. Boulouma all the best for his private and professional future!

 **Abdeladem EL ADRAOUI**, Project Engineering @ EMI | HR Consultant @BCP | Lean Six Sigma Green Belt (CSSC)

I had the chance to study with Amine for more than three years, in high school and even in preparatory classes. We were brothers and friends, we collaborated on several projects, presentations. Besides, we managed to overcome a variety of difficulties.

I am delighted to say to Amine that he is an intelligent teammate, excellent in mathematics and computer science, a kind and honest person and an ideal colleague.

I highly recommend Amine to everyone that wants to work with him. I wish him a successful life in all areas.

 **Samar MOUCHAWRAB, PhD**, Vice President of Academic Affairs at Université Mundiapolis Casablanca

Ambitious, innovative, smart and objectives and results oriented. Amine has the capacity to rapidly learn new technologies and to integrate into new environments. All the best for your new journey in research and development.