

ASQII

HEALTHTECH STARTUP

PFE BOOK 2025

Join the Future of Cancer Treatment !



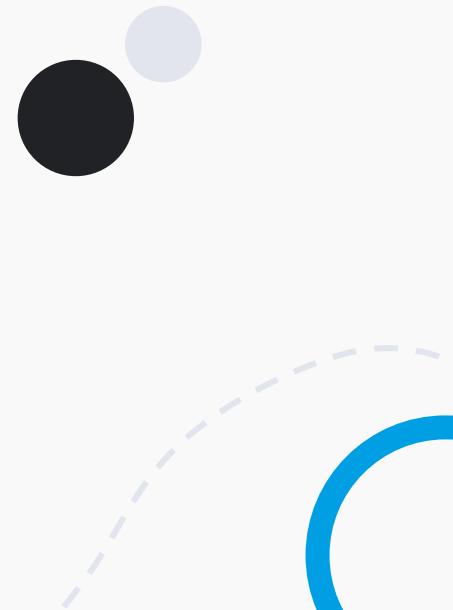
ABOUT ASQII





HEALTHTECH STARTUP

ASQII is a Healthtech startup dedicated to leveraging digitalization, data analysis, and process automation to enhance cancer care. Our mission is to empower patients with an optimal health experience through the use of cutting-edge technologies.



START
UP
ACT ↑



PARIS-
SACLAY
CANCER
CLUSTER
FRANCE INNOVATION CANCER



**“ WE AIM TO REDUCE
THE GAP BETWEEN
HEALTH & TECHNOLOGY ”**



OUR MAIN FIELDS OF INTEREST

- **Medical Devices and Robotics :** Develop and improve medical devices and robotics solutions that enhance the precision and efficiency of cancer treatment.
- **Development Solutions for Oncology :** Create web, mobile, and desktop solutions that support healthcare professionals in providing the best treatment experience for cancer patients.
- **Data Science and Computer Vision :** Unlock the power of data to develop and implement solutions that improve cancer treatment and journey.

A photograph of a modern office or lounge area. In the center, a man wearing a dark baseball cap and a dark jacket stands facing a group of people seated on light-colored couches. The room has large windows and a wooden floor. A digital screen in the background displays the text "ASQII HEALTHY TECH STARTUP".

JOIN US FOR YOUR END OF STUDY PROJECT



WHY TO JOIN ASQII?

Prototyping Lab

We're constantly exploring and refining groundbreaking ideas for cancer treatment. You will be working on innovative projects that address real needs, with a strong focus on implementation.

Enthusiastic And Multidisciplinary Team

You'll be part of a young team of dedicated individuals from diverse backgrounds, driven by a shared passion for healthcare and technology.

Innovative Tech Solutions

We actively design innovative solutions that harness technology to improve the patient journey, ensuring that cancer treatments are more effective and less invasive.



PROJECTS

PROJECT 1 : Data Management and Business Intelligence

Objective : Leverage Power BI to manage and visualize data collected from various projects.

Ref :
PFE25-01

- **Data Integration :** Identify and import datasets from internal projects.
- **Dashboard Creation :** Develop interactive dashboards that provide insights and track key metrics.
- **Data Governance :** Implement data cleaning, validation, and secure storage protocols.
- **Analysis and Reporting :** Use Power BI's analytical tools to generate regular reports and monitor KPIs.

PROJECT 2 : Web Solution For Chemotherapy Preparation

Development of web applications for chemotherapy preparation that will enable healthcare professionals to optimize and control the overall process.

Ref :
PFE25-02

Required Profiles for this project :

Fullstack Developer

- React.js
- Nest.js
- Graphql
- TypeScript
- Golang

UX / UI Designer

- Figma
- Adobe Suite
- UI Design Theory
- UX Design Methods
- Communication skills

PROJECT 3 : Infrastructure and DevOps Solutions

Ref :
PFE25-03

Objective: Set up CI/CD pipelines and optimize server resource allocation.

- **CI/CD Pipeline :** Implement continuous integration and deployment workflows using tools like Jenkins or GitHub Actions.
- **Server Resource Monitoring :** Develop systems to monitor CPU, memory, and disk usage, ensuring efficient server resource allocation.
- **Automation of Deployment :** Enable automated deployment to different environments.

PROJECT 4 : Cybersecurity and Network Protection

Ref :
PFE25-04

Objective: Enhance the security of network resources, focusing on VPS security.

- **Vulnerability Assessment :** Conduct vulnerability assessments on the VPS to identify potential risks.
- **Firewall and Access Control :** Configure firewalls and manage user access to protect sensitive data.
- **Monitoring and Incident Response :** Set up monitoring tools to detect and respond to suspicious activities in real-time.

PROJECT 5 : Quality Assurance (QA)

Profile – Application Testing

Objective: Improve application stability and reliability by establishing comprehensive testing processes

Ref :
PFE25-05

- **Unit and Integration Testing :** Design tests for individual components and inter-component interactions.
- **Automated Testing Feasibility :** Explore automated testing options across applications, such as continuous testing frameworks or tools like Selenium or Cypress.
- **End-to-End Testing :** Create end-to-end tests that simulate real user interactions to ensure applications function as expected.

PROJECT 6 : Automated Solution for Pharmaceutical Distribution

Development of a pharmaceutical dispensing machine designed to deliver medications securely and efficiently, ensuring compliance with safety regulations.

Ref :
PFE25-06

Required Profiles for this project :

Mechanical Designer

- CAD Modeling
- FDM
- manufacturing
- Solidworks 3D/2D
- 3D rendering
- Creativity

Electrical Designer

- Circuit Design
- Altium / KiCad
- PCB manufacturing
- Interfaces HMI
- QT / C++

Computer Vision

- Python, C++
- OpenCV/ TensorFlow
- Video Analytics
- Hardware Integration
- Data collection

PROJECT 7 : Automated solution for Chemotherapy Preparation

Enhances safety, traceability, and quality in oncology care by automating the preparation of chemotherapy treatments based on medical prescriptions, ensuring strict compliance with safety standards.

Required Profiles for this project :

Ref :
PFE25-07

Mechanical Designer

- CAD Modeling
- FDM
- manufacturing
- Solidworks 3D/2D
- 3D rendering
- Creativity

Electrical Designer

- Circuit Design
- Altium / KiCad
- PCB manufacturing
- Interfaces HMI
- QT / C++

PROJECT 8 : Marketing and Strategic Development

Objective: Establish an online presence and develop a structured business path.

Ref :
PFE25-08

- **Brand Strategy :** Create content and strategies that align with the company's brand and goals.
- **Path Development :** Map out a strategic path to increase engagement, drive conversions, and build brand loyalty.



If you are interested in any of the projects,
please fill the form by scanning the QR code :

For further information, feel free to contact us :

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<https://asqii.tn/en/join/>

