

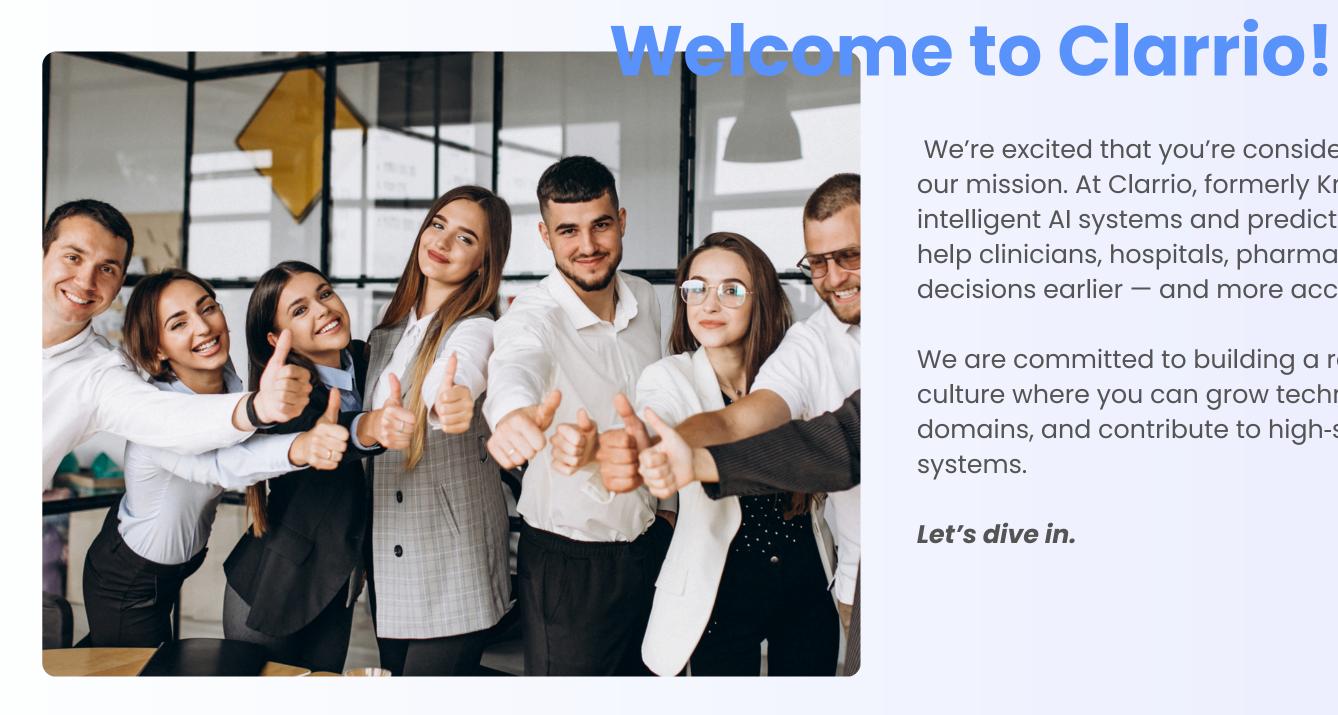
End of study Internships

4-6 Months

Join us. Build the future of AI in healthcare

Where real-world data meets chronic care





We're excited that you're considering becoming part of our mission. At Clarrio, formerly Knowlepsy, we build intelligent AI systems and predictive health platforms that help clinicians, hospitals, pharma, and payers make decisions earlier — and more accurately.

We are committed to building a remote, impact-first culture where you can grow technically, learn across domains, and contribute to high-stakes, real-world systems.

Let's dive in.

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01. About Clarrio



About Clarrio



Our Mission

To turn fragmented real-world health and device data into clarity — predicting risks, personalizing treatments, and guiding better decisions across chronic care.



What We Do

- We connect to 300+ devices, electronic health records (EHRs), wearables, and behavioral signals.
- We build AI models that forecast crises (e.g. seizures, flare-ups) before they happen.
- We serve clinicians, hospitals, pharma, and insurers with dashboards, alerts, and tools to act early.



Why It Matters

Healthcare data outside the hospital is often a "black box." We illuminate it. For patients, this can mean fewer emergency visits and more proactive care.



Traction & Impact

- Started as an epilepsy care tool —
 now expanding into general
 chronic disease domains.
- Showed ~78.9% accuracy in detecting seizure triggers; 30% reduction in hospitalizations in pilot use.
- Operates on a B2B SaaS model: hospitals, insurers, and pharma license our platform.

About Clarrio



Our Values

Autonomy & Ownership
Integrity & Trust
Collaboration & Transparency
Impact & Curiosity

We believe in hiring talented, driven people and trusting them. We're hours-agnostic, output-focused and remote-first.



Who We Are

Members of our team come from IBM, Jumia, Instadeep, Merck, and more. We combine health, engineering, AI, data science, biotech, and software backgrounds. We collaborate in small crossfunctional squads, run regular learning sessions, feedback loops, and encourage intern ownership from day one.

About Clarrio



Open Internship Positions (2025/2026 Cohort)

We have 14 internship slots to fill across key technical, data, and business roles:



Open positions

- Fullstack Development (5)
- DevOps (2)

✓ QA (1)

✓ Data Engineering (1)

- Artificial interllegence (2)
- Graphic Design (1)

✓ Marketing (1)

Finance (1)

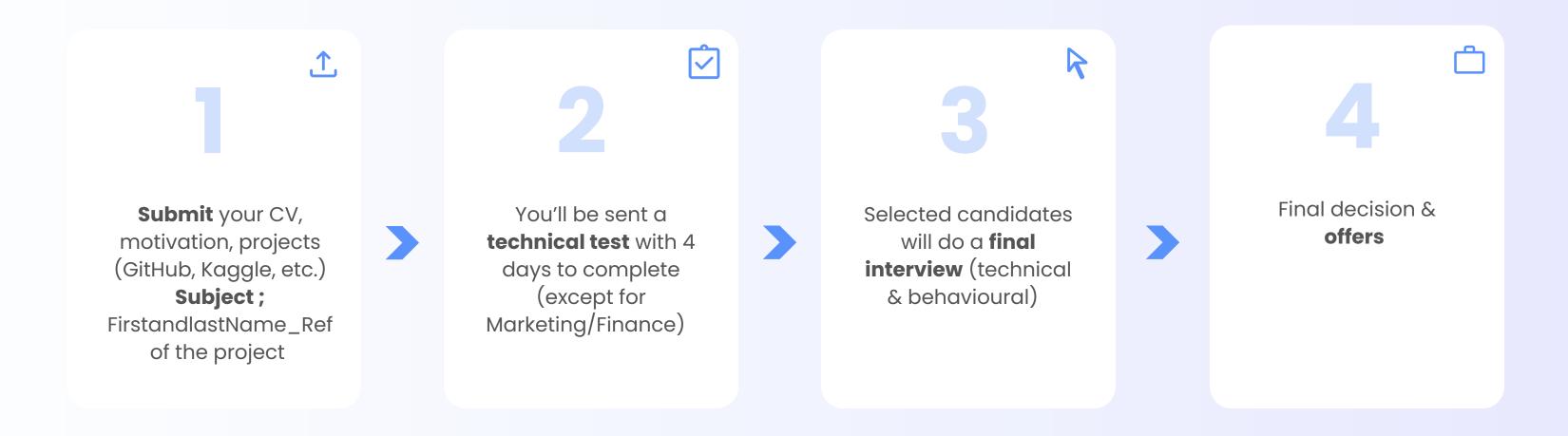
Each role has real autonomy — your work will power parts of the platform, data pipelines, dashboards, and health predictions.



Intern Perks & Support

- Mentorship from senior team members
- Access to modern AI / cloud infrastructure
- Flexible remote work
- Monthly Stipend
- Recognition, letter of recommendation and potential full-time offers

How to apply & Timeline?



Envoyer votre canditature: interns@Clarrio.ai

Deadline: 5 December 2025

02. Fullstack Internships



Fullstack Internships

03

Challenge Statement

Design and implement a cross-platform B2B healthcare platform with a robust design system, FHIR-compliant APIs, ensuring product reliability, code quality, and deployment efficiency.



Key Responsibilities / Mission Includes

- Front-End Development: Build mobile (React Native) and web (React.js) applications for patients and healthcare providers.
- Design System Implementation: Create a shared,
 Storybook-driven UI system aligned with Figma specs,
 integrated with visual regression tools (e.g. Chromatic,
 Applitools).
- Back-End Development: Contribute to a Node.js backend (Express or NestJS), implementing a FHIR-compliant API for patient data management.
- Testing & QA: Write and maintain unit, integration, and end-to-end tests across the stack (web, mobile, backend).
- API Testing & Validation: Use Thunder Client or Postman for validating API workflows and automating tests in CI.

Tools & Tech Stack

- Front-End: React.js, React Native, Storybook
- Back-End: Node.js (Express or NestJS), FHIR APIs
- Design & QA: Figma, Chromatic, Applitools, Jest, React Testing Library,
 Supertest, Playwright, Detox, Maestro
- API Testing: Postman, Thunder Client CLI
- CI/CD & DevOps: Azure DevOps, Git, Google Play Console, Apple App Store Connect
- Monitoring: Sentry, Firebase Crashlytics, or similar

Ideal Candidate (You Are...)

- A Master's student in Computer Science, Software Engineering, or related field.
- Proficient in JavaScript/TypeScript and familiar with React, React Native, and Node.js.
- Curious about healthcare tech and excited to work on high-reliability systems with real-world impact.
- Detail-oriented, capable of writing clean code and thoughtful tests.
- Interested in DevOps practices, CI/CD, and building scalable development workflows.

Fullstack Internships

Challenge Statement

Build a unified integration layer that normalizes data from wearables and health APIs (Fitbit, Garmin, Health Connect, etc.) into one secure, reliable, standards-based interface for downstream healthcare apps.

1. Mission / Key Responsibilities

- Research wearable APIs (Fitbit, Garmin, Health Connect).
- Build a modular OAuth2 integration layer.
- Normalize sleep/HR/activity into a common schema.
- Expose data via a REST API/SDK.
- Implement sync, refresh, and webhooks.
- Enforce security & privacy (HIPAA/GDPR).
- (Optional) Design a Health Score algorithm.
- Document architecture, endpoints, and workflows.

2. Tools & Tech Stack

- Programming Languages: Python and Node.js
- Databases: PostgreSQL or MongoDB
- Data Standards: HL7 FHIR, JSON Schema
- APIs & SDKs: Fitbit, Garmin Health, Google Fit, Health Connect
- Cloud: Azure App Service, Azure API Management, Azure Key Vault
- Security: OAuth2, HTTPS, JWT
- Documentation & Testing: Swagger / Postman,

3. Skills & Attributes ("You Are")

- Curious about digital health and wearables.
- Skilled in APIs, data integration, and backend development.
- Analytical and detail-oriented with clean coding habits.
- Independent problem-solver and proactive team player.



03. Devops Internships



Devops internships

Project 1: DevOps: CI/CD pipelines (Mobile App iOS & Android)



Challenge Statement

Set up a CI/CD pipeline to ensure fast, reliable, and secure deployment of iOS and Android mobile applications in the healthcare domain.



Key Responsibilities / Mission Includes

- Design and automate CI/CD pipelines (build, test, deploy) for mobile apps.
- Integrate automated testing (unit, security, performance) within the pipelines.
- Deploy mobile app builds to staging and production environments.
- Implement observability solutions: metrics, logs, distributed traces.
- Create monitoring dashboards (SLO/SLI/SLA) for mobile app health and performance.

Tools / Tech Stack / Systems Used

- CI/CD: Azure DevOps
- Mobile Build Tools: Xcode (iOS), Android Studio / Gradle (Android)
- Cloud: Microsoft Azure
- Monitoring: Prometheus, Grafana, ELK/EFK Stack, OpenTelemetry

Skills & Attributes ("You Are")

- Automation and continuous improvement oriented.
- Curious and rigorous about software quality.
- Good communicator with development and operations teams.
- Analytical and problem-solving mindset.

Devops internships

Project 2: DevSecOps: Security Integrated into CI/CD



Challenge Statement

Implement a DevSecOps approach, integrating security throughout the platform lifecycle for sensitive healthcare cloud services.



Key Responsibilities / Mission Includes

- Integrate security scans (code, containers, dependencies) into the CI/CD pipeline.
- Manage secrets and keys (Vault, Azure Key Vault).
- Define and enforce security policies (OPA, Kyverno).
- Implement security monitoring and audit (logs, alerts, SIEM).
- Automate HIPAA/GDPR compliance tests.
- Promote "shift-left security" practices within the team.

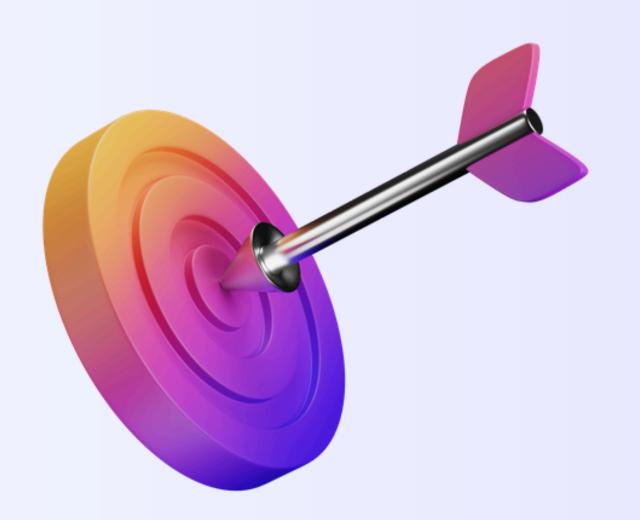
Tools / Tech Stack / Systems Used

- Security CI/CD tools: Trivy, Aqua, Snyk, OWASP ZAP
- Secrets management: Azure Key Vault
- SIEM & Monitoring: Azure Sentinel, ELK, Prometheus
- CI/CD: Azure DevOps

Skills & Attributes ("You Are")

- Security- and privacy-conscious.
- Methodical and rigorous mindset.
- Proactive in improving security culture.
- Enjoy automating security and preventing issues before they occur.

04. QA Internships



QA Internships

01

Challenge Statement

Improve web platform and mobile application stability and reliability by establishing comprehensive testing processes



Mission / Key Responsibilities

- Improve the stability and reliability of our web platform and mobile app
- Implement unit & integration testing for core components
- Design end-to-end test scenarios based on real user flows
- Evaluate and introduce automated testing tools into the development cycle

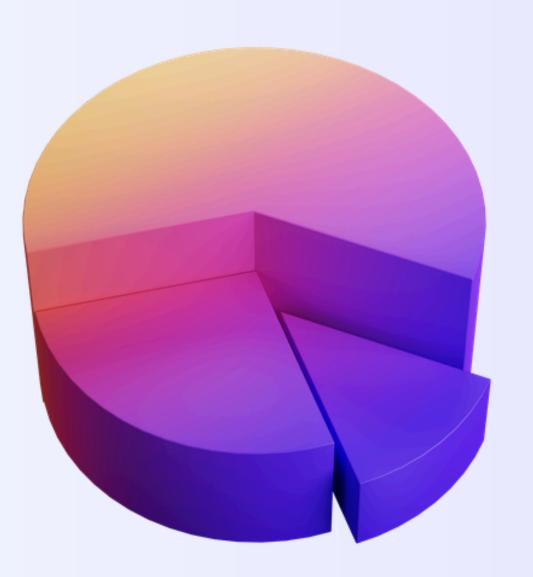
Tools & Tech Stack

- Selenium / Cypress for UI automation
- Jest / JUnit / PyTest for unit testing
- Postman / RestAssured for API testing
- GitHub Actions or Azure DevOps for CI/CD integration

Ideal Candidate (You Are...)

- Strong analytical mindset + attention to detail
- Interested in improving software quality and preventing regressions
- Able to propose automation strategies (not only manual tests)
- Motivated to build maintainable test frameworks and deliver measurable impact

O5. Data Engineering Internships



Data Engineering Internships

Real-Time Pipeline + FHIR



Challenge Statement

Design and implement a real-time data pipeline to ingest, transform, and expose data from medical wearables in a FHIR-standardized format.



Key Responsibilities / Mission Includes

- Develop real-time ingestion flows (streaming data).
- Build ETL/ELT pipelines to transform data into FHIR/HL7.
- Store and organize data in a data lakehouse.
- Create batch and real-time processing jobs (health scores, aggregations).
- Ensure data quality and security.

Tools / Tech Stack / Systems Used

- Data pipelines & processing: Azure Databriks, Azure Data Factory
- **Streaming ingestion:** Azure Event Hub (ingest wearable data in real-time)
- **Data Lakehouse / Storage:** Delta Lake (organized, versioned, scalable storage)
- APIs / Standards: HL7 FHIR, REST/GraphQL
- Orchestration / Cloud integration: Azure Data Factory, Azure Functions

Skills & Attributes ("You Are")

- Passionate about data and medical interoperability.
- Structured and architecture-oriented mindset.
- Comfortable with large volumes of data and quality assurance.
- Proactive in optimization and performance improvements.

O6.
Artificial
intelligence
Internships



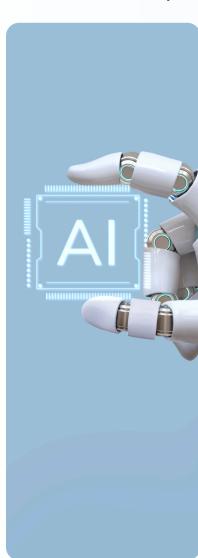
Artificial intelligence Internships

Patient behavior segmentation



Challenge Statement

Develop a machine learning model that clusters patients based on their communication patterns and wearable device usage behavior. The goal is to help doctors and care teams prioritize follow-ups, identify low-engagement patients, and personalize care recommendations within Clarrio platform.



Key Responsibilities / Mission Includes

- Collect, clean, and preprocess patient device and communication data from internal datasets.
- Engineer engagement and behavioral features (e.g., upload frequency, chat activity, sentiment).
- Apply clustering algorithms (K-Means, DBSCAN, or hierarchical clustering) to identify patient segments.
- Explore NLP techniques to analyze message tone and topics.
- Visualize cluster results and derive actionable insights for doctors and product teams.
- Document methodology, findings, and recommendations in a clear technical report.

Tools / Tech Stack / Systems Used

- Programming: Python (Pandas, NumPy, Scikit-learn)
- Data Visualization: Matplotlib, Seaborn, Plotly
- Data Management: Jupyter / Google Colab, SQL
- Version Control: Git / GitHub

Skills & Attributes ("You Are")

- Passionate about data-driven healthcare and digital health innovation.
- Curious and analytical, with strong problem-solving skills.
- Comfortable working with messy real-world data and deriving structure from it.
- Strong communicator able to translate technical findings into clear insights.
- Self-motivated, organized, and proactive in exploring solutions.

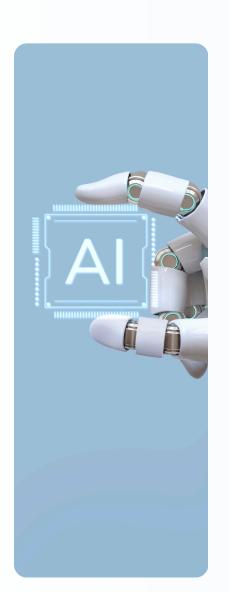
Artificial intelligence / Al Engineering Internships

Conversational Al Assistant for Doctor & Pharma Dashboards



Challenge Statement

Build a Conversational AI Assistant integrated into Clarrio's doctor and pharmacy dashboards that allows healthcare professionals to ask questions in natural language and instantly retrieve patient metrics, correlations, and insights from the platform's backend systems.



Key Responsibilities / Mission Includes

- Participate in the design of a smart assistant that helps doctors and pharmacists explore patient data and health trends through simple conversation.
- Contribute to building the connection between the AI assistant and the data sources used in Clarrio's dashboards.
- Help shape how the assistant understands and answers questions in a clear and medically relevant way.
- Support the creation of a user-friendly chat interface that fits naturally into the existing dashboard experience.
- Assist in testing the assistant's performance and improving its accuracy, clarity, and speed of response.
- Collaborate with the AI and data teams to generate meaningful health insights, such as the relationship between sleep quality and heart rate.
- Document your progress, ideas, and technical findings to support future development.

Artificial intelligence / Al Engineering Internships

Conversational AI Assistant for Doctor & Pharma Dashboards



Tools / Tech Stack / Systems Used

Core Platform:

Microsoft Azure

Cloud Services:

- Azure Functions
- Azure OpenAl Service
- Azure App Service / Static Web Apps

Data Access:

- MCP (Model Context Protocol)
- FHIR API, Azure SQL Database, Azure Data Lake

Languages:

Python

Version Control:

• Git / GitHub

Skills & Attributes ("You Are")

- Excited about applied AI in healthcare and intelligent system design.
- Strong understanding of APIs, Azure services, and backend integration.
- Logical, structured thinker with ability to translate user requests into data operations.
- Curious and eager to experiment with prompt engineering and context orchestration.
- Team player who communicates clearly and documents thoroughly.

07. Graphic design Internships



Graphic design Internships



Challenge Statement

Help us elevate our brand presence across LinkedIn and other digital platforms by designing visually compelling and professional content that reflects our voice, values, and vision.



Mission / Key Responsibilities

- Design creative and engaging social media visuals for platforms like LinkedIn, Facebook, Instagram, and X (Twitter).
- Collaborate with the marketing and content teams to translate messages into impactful designs.
- Ensure all designs are aligned with the company's brand guidelines and tone.
- Assist in developing templates and assets for recurring content themes.
- Participate in brainstorming sessions for campaign ideation and visual storytelling.

Tools & Tech Stack

- Adobe Creative Suite (Photoshop, Illustrator, InDesign)
- Canva or Figma
- Microsoft PowerPoint or Google Slides (for formatting presentations)
- Notion, Trello or similar project management tools
- LinkedIn, Facebook, Instagram (for publishing support)

Ideal Candidate (You Are...)

- A graphic design or visual communication student in your final year.
- Passionate about branding, digital communication, and visual storytelling.
- Detail-oriented with strong creative thinking and aesthetic sense.
- Familiar with social media trends and platform-specific content best practices.
- Open to feedback and eager to grow in a fast-paced, collaborative environment.

08.
Marketing
Internships



Marketing Internships

01

Challenge Statement

Help Clarrio.ai boost visibility and generate leads through digital marketing and automated outreach.



Mission / Key Responsibilities

Support marketing campaigns, create content, manage outreach (Lemlist, HubSpot), design visuals, and report weekly performance.

Tools & Tech Stack

- HubSpot (CRM & email marketing)
- Lemlist (outbound automation)
- Canva (content & visuals)
- Google Sheets / Docs
- Notion (project tracking)

Ideal Candidate (You Are...)

Marketing, Communication, or Business student — curious, organized, and eager to learn. Comfortable writing in English and using Canva & Google Sheets.

Envoyer votre canditature: interns@Clarrio.ai

09. Finance Internships



Finance Internships



Challenge Statement

Support Clarrio.ai's finance team by helping with expense tracking, simple financial reporting, and research to support decision-making.



Mission / Key Responsibilities

- Expense & Invoice Tracking: Help collect and organize monthly expenses, receipts, and invoices.
- Budget Monitoring: Update spreadsheets to track actual vs. forecasted spending.
- Basic Reporting: Prepare simple financial reports and dashboards (e.g. cash flow overview, monthly costs).
- Market & Financial Research: Assist with competitor pricing research or benchmarking when needed.

Tools & Tech Stack

- Google Sheets / Excel
- Google Drive / Workspace

Ideal Candidate (You Are...)

- A Bachelor student in Finance, Accounting, or Business Administration.
- Comfortable with numbers and spreadsheets (basic Excel/Google Sheets functions).
- Reliable and detail-oriented, with good organizational skills.
- Curious to learn how finance works in a tech startup.





Thankyou

Contact & Questions

If you want to chat, see sample projects, or learn more about any team, reach out:





