Lucia Guarino Schlegel

Full Stack Developer | Biotechnology Specialist

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Professional Summary

Full Stack Developer with a strong background in **Biotechnology** and **Clinical Research**, blending life science domain expertise with **software development** skills. Passionate about bridging biotech and technology to create intuitive, **user-centric software solutions** that improve healthcare outcomes. Experienced in leading interdisciplinary teams in fast-paced, **agile** environments (including startup settings) to deliver results. Combines technical proficiency (React, Node.js, Python etc.), knowledge of healthcare regulations (FDA, GCP), and design sensibility to develop **accessible**, impactful digital products. Recognized for adaptability, innovative problem-solving, and excellent communication skills.

Technical Skills

- **Front-End:** JavaScript (ES6+), TypeScript, React, HTML5, CSS3, Dart AJAX; Responsive Design, UX/UI principles

- **Back-End:** Node.js, Express.js, MongoDB; ORM/ODM (Mongoose, TypeORM); Python; RESTful API design & integration (incl. Google Cloud APIs); Authentication (Auth0, JWT)

- **Dev Tools & Frameworks:** Git, GitHub, Next.js, Flutter, Vercel; Jira (Kanban boards), Confluence

- **Design & Prototyping:** Figma, Adobe Illustrator, Adobe Photoshop

- **Methodologies:** Agile (Scrum/Kanban) project management; technical documentation (Confluence, Google Docs)

- **Domain Expertise:** Biotechnology & Clinical Research – clinical trials, **FDA** and **Good Clinical Practice (GCP)** compliance, patient-centric design, healthcare terminology

Professional Experience

Project Coordinator – *Imago Systems* (U.S.-based medical imaging company)
2022 – Present | Munich, Germany

- **Spearheaded** the LATAM deployment of a breast cancer imaging solution, aligning patient-experience priorities with technical product requirements and rollout strategy.

- **Leading** the design and development of a web interface connecting healthcare centers to cloud-based **AI** services for mammogram analysis. Ensured full compliance with international healthcare protocols (FDA, GCP) and data privacy standards while utilizing Agile tools (Jira for task management, Confluence for documentation).

- **Led** a cross-functional team of engineers, business stakeholders, and healthcare experts, fostering collaboration and improving efficiency across departments.

- **Streamlined** clinical trial processes to improve operational efficiency and upheld 100% regulatory compliance, all with a strong focus on patient-centric design improvements.

Sales Representative – *Premium Pharma*
2020 – 2022 | Buenos Aires, Argentina

- **Managed** a portfolio of high-value health insurance accounts, building strong client relationships through attentive, solution-driven service and a user-focused approach.

- **Boosted** revenue growth and client retention by providing customized account management and quickly adapting solutions to meet diverse client needs.

Education & Certifications

Full-Stack Development Program – Henry Academy (2022 – Feb 2023)

- Completed an intensive full-stack development bootcamp focusing on React, Node.js, JavaScript, and UX/UI design. Developed three full-stack projects, including React-based single-page applications with intuitive, accessible interfaces.

B.Sc. in Biotechnology – Argentine University of Enterprise (UADE), Buenos Aires (Graduated 2020)

- Relevant coursework: Molecular Biology, Biophysics, Biotechnology Applications, Anatomy & Histopathology, Business Administration – providing a strong scientific and analytical foundation.

Certifications:

- Google **UX/UI Research** Professional Certificate

- **Quantitative Methods for Biology** – Harvard Medical School – Online Program

- **Clinical Trials Design and Conduct** – Johns Hopkins University

- **Global Academy of Women's Cancer** – EACCME (continuing medical education)

Projects (Personal & Academic)

- **tech4All (Full Stack):** Developed a fully functional e-commerce platform using Next.Js and Node.js, emphasizing rich UX/UI for an intuitive online shopping experience. Implemented responsive design and state management to ensure a smooth, engaging user journey.

- **Health Tracking Mobile App:** Designed and built a health-tracking mobile application with Flutter, focusing on accessibility and user experience for a broad user base. Conducted user research (including elderly users of medical apps) and integrated findings into the design, significantly improving the app's navigation and accessibility features for diverse user groups.

Languages

- **Spanish:** Native

- **English:** C2 (Proficient)

- **German:** B1 (Intermediate)

- **Italian:** B1 (Intermediate)

Soft Skills

- **Leadership & Collaboration:** Proven ability to lead interdisciplinary teams and foster an inclusive, goal-oriented working atmosphere.

- **UX/UI Design Sense:** Artistic background and strong interest in design contribute to creating intuitive, visually appealing user interfaces.

- **Creative Problem-Solving:** Combines technical knowledge and creativity to deliver innovative, user-focused solutions to complex problems.

- **Adaptability & Agile Thinking:** Thrives in agile, fast-paced environments; quick to learn new technologies and adapt to changing project needs.