

Mark Sianipar

Aurora, CO | (720) 862-4457 | [Email](#) | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

Full-Stack Developer

Full-Stack Developer specializing in delivering comprehensive applications that combine intuitive design, dependable backend systems, and efficient performance. With a strong STEM background, challenges are approached with a mix of ingenuity and logic, resulting in reliable outcomes. Extensive research and technical experience enable a deep understanding of client needs, effective planning for scalability, and the ability to adapt to evolving technologies. Experience spans both startup and Fortune 500 laboratory environments, with a proven track record of clear communication, collaboration, and mentorship.

Core Competencies

JavaScript	Tailwind CSS	GraphQL	Conflict Resolution
TypeScript	Bootstrap CSS	Agile/Scrum principles	Communication
HTML/CSS	React	Github/Git	Empathy
PostgreSQL	Node.js	Customer Service	Accountability
MongoDB	Express.js	Problem-solving	Team Building

Education and Certifications

Software Development Bootcamp , <i>ActivateWork, powered by Per Scholas</i>	Mar 2025 – Jun 2025
Full Stack Developer Bootcamp , <i>University of Denver, powered by edX</i>	Feb 2024 – Mar 2025
B.S. Biochemistry , <i>Colorado State University, Fort Collins, CO</i>	Aug 2015 – May 2019

Projects

PokedexGenerationz – React Application (Link)	May 2025
<ul style="list-style-type: none">Built a responsive Pokedex single page application with React, Vite, and Tailwind CSS, fetching real time data from PokeAPI and deploying via Netlify.Designed a modern dark-themed UI (DaisyUI) with dynamic routing, live search, and generation filters for smooth navigation.Optimized performance and UX through reusable components, responsive layouts, and detailed Pokemon profile pages.	
AniVault – MERN Full-Stack (Link)	Mar 2024
<ul style="list-style-type: none">Integrated the Jikan API to fetch anime data and implemented genre-based filtering and randomization features for a personalized user experience.Designed and developed a full-stack web application using React, MongoDB/GraphQL, enabling users to discover random anime series by genre.Styled the application with TailwindCSS and DaisyUI, creating a responsive and visually appealing interface while ensuring optimal performance and usability.	
Google Books GraphQL Refactor – GraphQL Refactor (Link)	Mar 2024
<ul style="list-style-type: none">Refactored the backend from NoSQL to GraphQL, improving query efficiency and flexibility while maintaining system performance and functionality.Integrated Apollo Server to handle queries and mutations, enabling precise data retrieval and reducing over-fetching.Ensured seamless migration with zero downtime, demonstrating the ability to adopt new technologies without disrupting existing systems.	

Professional Experience

Lab Technician, AOA DX | Denver, CO

Feb 2024 – Aug 2024

- Contributed to advancing an innovative startup focused on developing an early detection platform for women's cancer, supporting development of cutting-edge health solutions.
- Successfully completed AOA DX's first large-scale cohort test, validating critical concepts of the company's early detection technology and supporting its development.
- Conducted root cause analysis of experimental challenges, proposing solutions to streamline workflows.

Hematology Lab Technician, Labcorp | Englewood, CO

May 2021 – Jun 2023

- Conducted diagnostic analysis on approximately 2,000 samples for CBC, coagulation, erythrocyte sedimentation, and hemepath reviews, consistently delivering results within a 12-hour timeframe to meet client needs.
- Introduced and implemented new practices to enhance efficiency, reducing turnaround times and improving client satisfaction.
- Mentored and trained 10 new hires and multiple interns on laboratory SOPs, ensuring adherence to protocols and fostering a collaborative learning environment.

Microbiology Lab Technician, Infinity Laboratories | Castle Rock, CO

Apr 2020 – Apr 2021

- Supported FDA compliance efforts for client pharmaceuticals and medical devices by manufacturing in-house reagents and conducting sterility testing to ensure products were safe and patient-ready.
- Performed Environmental Monitoring (EM) for contracted laboratories, employing aseptic techniques and analyzing microbial growth post-incubation to maintain quality standards.
- Recognized for strong performance and promoted within three months from Lab Assistant to Microbiology Technician, demonstrating dedication and growth in technical expertise.

Leadership & Services

Co-Treasurer, Rocky Mountain Indonesian American SDA Church | Aurora, CO

Dec 2024 – Present

- Oversaw budget management and departmental accounts, optimizing spending and reducing financial risks through daily tracking, monthly audits, and transparent reporting to Church Administration.
- Coordinated financial operations, facility maintenance, and community outreach projects by aligning resources, volunteers, and timelines to achieve organizational goals, including the successful launch of the church's first-ever community food bank.
- Facilitated communication across departments and board members to align on financial strategies, resolve budget challenges, and drive consensus in monthly meetings.