

SARAH ANN GARCIA

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[Portfolio](#) | [LinkedIn Profile](#)

EDUCATION

B.S. Mechanical Engineering

May 2013

Georgia Institute of Technology - GPA: 3.94

Full Stack Web Developer

Jun 2018

Thinkful: Full Stack & Data Science

PROFESSIONAL EXPERIENCE

Software Engineer

Nov 2018 – May 2020; Sept 2021 – May 2023

Quickdraw Development, Remote

- Spearheaded the creation of a boilerplate application, prioritizing essential components, authentication, API models, fetch wrappers, build scripts, and common pages. Harnessing **React**, **Typescript**, **Next.js**, **Node.js**, and **Tailwind CSS**, this initiative notably cut new project development time by **25%**.
- Created **3 APIs** following principles of **Domain-driven Design (DDD)** using **Node.js** which established maintainable and organized code.
- Led agile processes to drive project success, leading sprint planning and daily stand-up meetings as the **Scrum Master**. Ownership of the product roadmap was key in maintaining cost-effectiveness throughout the projects.

Lead Frontend Web Developer

May 2020 – Sept 2021

Kayhan Space Corp, Remote

- Pioneered the development of a satellite monitoring solution, leading a team in the ground-up construction of an application and API, harnessing **React**, **Redux**, **Node.js**, **PostgreSQL**, and **Material UI**.
- Demonstrated expertise in sprint coordination, ensuring the successful execution of sprint planning, backlog grooming, weekly scrums, and sprint reviews within the Scrum framework.
- Crafted over **10 comprehensive policy documents** delineating best practices for component development and testing in the primary user-facing application and supporting API, resulting in **reduced developer onboarding time**, **heightened team productivity**, and **improved code cohesion**.
- Took ownership of design tasks, managing them throughout the entire process, and ensuring strict guideline adherence. This approach directly impacted and improved the daily tasks of **4 developers**.

Mechanical Engineer

Oct 2013 – May 2017

Trackmobile LLC, LaGrange, GA

- Designed over **50 machine elements/systems**, utilizing **CAD software** and **FEA analysis** tools to verify design safety and efficacy.
- Debugged over **100 electrical bugs** on railcar movers using **electrical design diagnostics** and knowledge of the **multiplex controller database construction**.
- Utilized **GUI programming** and basic diagnostics, including graphic element creations to add a GUI interface for **3 new railcar mover features**.

Math & Science Tutor

Aug 2017 – Present

Columbus, GA

- Communicated complex concepts to over **100 students** in subjects such as Calculus, Trigonometry, Chemistry, and Physics.
- Explained mathematical and scientific concepts at the root level, which increased test scores by as much as **30%**.

TECHNICAL SKILLS

Languages: Javascript, Typescript, HTML, CSS

Frameworks: React, Redux, Node.js, Next.js, Express, jQuery, Aurelia

Databases: MongoDB, MySQL, PostgreSQL

Technologies: AWS S3, Git, Postman, Swagger

Design: Material UI, React-md, SASS, Tailwind CSS

Testing: Cypress, Jest

Familiar With: Angular, Python