

ROHAN GODHA

FULLSTACK ENGINEER



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EXPERIENCE

- NewGen Business Solutions**, Software Engineering Intern May 2023 – Aug 2023
- Modernized Oracle's SuiteCloud Extension testing framework by migrating outdated Jest version to Vitest
 - Created tests for 80% of all API endpoints in ConventionSuite, NewGen's primary product, increasing confidence in their ongoing rewrite from Create-React-App to Vite
 - Led effort to modernize target client database, increasing conversion rate on email marketing campaigns

EDUCATION

- Georgia Institute of Technology, College of Computing** Aug 2024 – May 2027
- Candidate: B.S. in Computer Science with concentrations in Devices and Intelligence*
- **Courses:** Data Structures & Algorithms, Linear Algebra
 - **Activities:** GT Bits of Good, Marine Robotics Group, dependently-typed, Competitive Programming

PROJECTS

- Brophy Attendance** rgodha.com/attendance
- Built an attendance system in use at Brophy College Prep based on scanning barcodes on student ids
 - Created and integrated a Raspberry Pi-based barcode scanner in Rust, an AWS Lambda based backend in Typescript, and a realtime, local-first, web dashboard in Typescript using technology like SST and React

- Portfolio** rgodha.com/portfolio
- Utilized SolidJS and Astro to create a unique portfolio website based around animated text and canvases
 - Built a resume generator using typst to create a resume from a TOML file and display it on the website

- LockIn AI** rgodha.com/lockinai
- Built a serverless realtime backend on AWS using SST, Typescript, and AWS Websocket API Gateway
 - Integrated Tensorflow Mediapipe face tracking model into a React frontend using Zustand state manager

- TeachTok** rgodha.com/teachtok
- Built an infinitely scalable serverless backend using AWS Lambda, AWS SQS, AWS S3 and Claude API
 - Created a React Native mobile application with image uploading and scrolling capabilities

- Advent of Code** rgodha.com/aoc
- Solved Advent of Code in multiple Rust, Python, and Typescript with full completion in 2024 and Rust
 - Taught 30+ students programming through AOC as Coding Club President at Brophy College Prep

- Cryptenv** rgodha.com/cryptenv
- A Rust-based tool to store encrypted environment variables, and switch between them for different projects

ACTIVITIES

- Broncobotics**, Head of Technology Aug 2020 – May 2024
- Created virtual courses to teach over 70 students CAD, Programming, Project Management, and Machining
 - Led team to second place finish in the Las Vegas FRC Regional in 2022 as programmer and strategist
 - Spearheaded 20 student team creating and coding a robot in 6 weeks for the FIRST Robotics Competition

- Marine Robotics Group**, Member Aug 2024 – Present
- Updated internal documentation in the RobotX competition repository to make onboarding simpler
 - Created a web-based dashboard to display telemetry data from the autonomous boat and UAV

SKILLS

- **Languages:** English (Native speaker), Hindi (Conversational), Spanish (Basic proficiency)
- **Programming Languages:** Javascript/Typescript, Rust, Python, Java, Go, Nix
- **Web Development:** React, Next.js, Svelte, Tailwind CSS, AWS, Serverless, IAC, Cloudflare Pages