

ROHAN GODHA

FULLSTACK ENGINEER



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EXPERIENCE

Rocketlab, Software Engineering Intern

May 2025 – Aug 2025

- Replaced manual solar panel validation process with Python based simulation, achieving large speedup through 16-way parallel processing on Kubernetes with RabbitMQ/KEDA auto-scaling
- Improved loadtime of critical factory visualizations by 192x through optimizing PostgreSQL queries
- Unified priority lot tracking with factory visualization, improving visibility of high-value products
- Built terminal-based Jira interface, increasing ticket throughput and improving managerial visibility

Brainrot.mov, Founder

Feb 2025 – Present

- Developed distributed video generation platform using React, TypeScript and AWS Lambda, enabling users to create viral short-form content with AI Voices
- Proved product-market fit by growing my @aws_peter account to 70k+ followers and 4.7M+ views across Instagram, TikTok and YouTube, producing technical tutorials on Docker, AWS, MCP and AI Agents
- Launched as SaaS product enabling 1500+ creators to generate 25M+ views and 200k+ followers, with thousands in revenue

Unstoppable Asset, Co-Founder

Jul 2023 – Present

- Leading product development for a mission driven fintech startup selected for Create-X S25 Batch

NewGen Business Solutions, Intern

May 2023 – Aug 2023

EDUCATION

Georgia Institute of Technology, College of Computing

Aug 2024 – May 2027

Candidate: B.S. in Computer Science with concentrations in Information Networks and System Architecture

- **Courses:** Data Structures & Algorithms, Discrete Mathematics, Objects & Design, Computer Organization

ACTIVITIES

Georgia Tech Bits of Good, Engineering Manager

Jan 2025 – Present

- Implemented a new design system directly from Figma using React, Radix UI, TailwindCSS and Next.js
- Created internal CLI based on shadcn/ui for easy access to design system for all Bits of Good projects

PROJECTS

Brophy Attendance

rgodha.com/attendance

- Created and integrated a Raspberry Pi-based barcode scanner in Rust, an AWS Lambda & DynamoDB based backend in Typescript, and a realtime web dashboard in Typescript using technology like SST and React
- Built an attendance system in use at Brophy College Prep based on scanning barcodes on student ids

AlphaSnake

rgodha.com/alphasnake

- Trained a custom neural network using a genetic algorithm across 96 CPU cores on Google Cloud
- Optimized a game engine using techniques like increasing cache locality, bitmasks, and SIMD
- Achieved 5th place by ELO in the Georgia Tech Bytefight competition, sponsored by Google

EcoFlare

rgodha.com/ecoflare

- Created a frontend where users can upload drone images of forest canopies to be analyzed on AWS
- Deployed and trained a custom Tensorflow model to AWS ECS using Docker, Rust, and ONNX Runtime

SKILLS

- **Programming Languages:** Typescript, Rust, Go, Nix
- **Frameworks & Technologies:** React, Next.js, Svelte, Tailwind CSS, AWS, Infrastructure as Code, Docker