Robert Guss

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LinkedIn | GitHub

EDUCATION

Berklee College of Music, Boston, MA
Bachelor of Music in Composition - May 2013
Magna Cum Laude

CAREER HIGHLIGHTS

- Recognized in the top 1% of TypeScript engineers globally on GitHub in 2025.
- Demonstrated commitment to open-source and continuous development with over 4,200 GitHub contributions in 2025 alone.

TECHNICAL SKILLS

- **Languages:** TypeScript, Python, SQL
- **Frameworks & Libraries:** Next.js, React, Node.js, Tailwind CSS, Cypress, Playwright, Jest, Vitest
- **Databases & Data:** PostgreSQL, ETL Pipelines, Airtable, Hugging Face
- **Infrastructure & Tools:** Windmill.dev, GitHub Actions, Claude Code

PROFESSIONAL EXPERIENCE

Software Engineer & Technologist | June 2024 - Current
Westminster Theological Seminary | Remote

- Engineered a course creation automation that eliminated 120-160 hours of manual work per term, enabling the team to focus on higher-value tasks.
- Consulted with the student support team to understand workflow pain points, then developed a suite of automations that reduced manual onboarding tasks and cut support tickets by 30%.
- Automate support ticket triage which has significantly reduced the need to manually check all incoming tickets.
- Create & maintain ETL pipelines for data analysis & BI
- Create custom sentiment analysis app for measuring student satisfaction surveys
- Identified and surfaced previously unknown data sources, creating ETL pipelines that provided critical insights for data-driven organizational decisions.

Founder & Educator | March 2015 - Current
HowToCode.io | Remote

- Teach over 47,000 developers through my Udemy courses with over 2,000 reviews
- Author of three books on Astro, The Go programming language, and Jamstack
- Host of the HowToCode podcast with over 20,000 downloads
- Creator of howtocode.io, which has over 70 tutorials on various web development topics and technologies with an average of 3,000 new users per month

Solutions Engineer | March 2023 - January 2024
Airplane Labs | Remote

- Acquired by Airtable in January 2024
- Provided technical customer support, software design, architecture, and strategy for building internal tools and apps with Airplane
- Architected and built internal support tools that significantly decreased average ticket response times, achieving a consistent response time of under 8 minutes.
- Developed custom views, tasks, and templates to expedite customer onboarding

- Developed landing pages (including the [landing page](#) used to launch on Product Hunt)
- Integrated a custom Salesforce API with our "book a demo" form for sales engineers and account executives
- Redesigned documentation information architecture

Developer Experience Engineer | April 2021 - September 2022
Cypress.io | Remote

- Developed new landing pages for the redesign of our marketing site
- Created and maintained various repos and plugins in the Cypress ecosystem, like our GitHub Action, CircleCI Orb, VSCode plugin, and the "Real World App"
- Accelerated the launch of Cypress component testing through rigorous testing, debugging, and API design by creating demos and examples apps
- Led the migration from Nuxt.js to Docusaurus for our documentation site
- Co-authored the [Real World Testing with Cypress](#) curriculum, which teaches developers how to test modern web applications
- Created instructional videos, tutorials, documentation, and example apps

Senior Frontend Developer | December 2018 - April 2021
InsureMyTrip | Remote

- Led the initiative to revamp front-end tooling for the engineering team, increasing code quality and developer productivity
- Drove cultural shift toward automated testing, which significantly reduced customer-facing issues and bugs
- Partnered with product managers and UX to design and launch a new quote form, enhancing the travel insurance purchase process

Senior Frontend Developer | December 2014 - December 2019
Freelance | Remote

- Design & develop custom sites and applications
- Develop custom WordPress themes and child themes
- Custom integrations with 3rd party APIs and services
- Optimize sites for overall performance, page speed, SEO, image optimization, etc.

Web Developer | June 2017 - December 2018
DNL OmniMedia | Remote

- Created and maintained several websites and applications for various nonprofits
- Migrated our tooling and build system from Gulp to Webpack

Frontend Developer | May 2015 - June 2017
inMusic Brands | Cumberland, RI

- Led front-end development across a portfolio of 14+ company websites
- Built high-converting microsites and landing pages for product launches
- Developed responsive HTML emails