

YAN THOMAS BASILIO E SILVA

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SUMMARY

Product-minded full-stack software developer and expert open-source maintainer with 3+ years of industry experience. Passionate about accessibility, documentation, and developer tooling. I excel in roles that bridge technical engineering challenges and developer education.

EDUCATION

FATEC Baixada Santista - Rubens Lara

Associate Degree

Systems Analysis and Development

Cumulative GPA: 8.60/10

Relevant Coursework: Data Analysis, Software Engineering, Operating Systems, Algorithms, Artificial Intelligence

Santos, SP

Jan 2023 – Dec 2025

EETEC Aristóteles Ferreira

Technical Program integrated with High School

Systems Development

Relevant Coursework: Database Modeling, Requirements Engineering, Project Management, Web Development

Santos, SP

Jan 2020 – Dec 2022

WORK EXPERIENCE

ASTRO (venture-backed tech startup)

Software Engineer

Remote, San Francisco

Jan 2023 – Present

- Maintained Astro and core TypeScript packages within the Astro ecosystem, downloaded over 1,000,000 times per week by over 200,000 monthly active developers.
- Integrated and improved external tools support and user experience in Astro, such as Cloudflare and many CMS platforms.
- Developed React UI components for Astro's websites, improving accessibility conformance (WCAG) and Core Web Vitals (CWV) by 50%.
- Led writing and localization efforts across 300 pages of documentation, 14 languages, and 100+ independent contributors. Implemented internationalization in Astro websites, including RTL. Increased external docs contributions by 30% YoY.

RECENT PROJECTS

WORDLE - DEEP REINFORCEMENT LEARNING

Dec 2025

- Rebuilt the Wordle game mechanics using functional programming with Haskell.
- Designed a CLI version of the game for training and demo showcase purposes.
- Implemented a Deep-Q-Network algorithm and agent in Haskell that learns how to play Wordle strategically.

LUNARIA

Oct 2023 – Present

- An open-source localization management toolchain based on Git and Node.js.
- Adopted by major open-source ecosystems (Astro, Vite), and many others to manage localization for millions of monthly users.
- Integrated with Git hosting platforms such as GitHub and GitLab, with out-of-the-box CI support.

SKILLS

Languages/Frameworks: JavaScript, TypeScript, React (Next.js, Redux), Vue (Nuxt, Pinia), Solid.js, Astro, HTML5, CSS3, Tailwind CSS; **Backend & Data:** Node.js, REST APIs, SQL (PostgreSQL, MySQL, SQLite), NoSQL (MongoDB, Redis); **Cloud & DevOps:** Docker, AWS (S3, EC2, Lambda), Cloudflare (Workers, Pages), Microservices, CI/CD (GitHub Actions), Git; **Testing & Quality:** TDD (unit, integration, e2e), Vitest, Cypress, Playwright, Testing Library, Accessibility (WCAG), Clean Code, SOLID; **Others:** Technical Writing, Agile (Scrum), Figma. **Spoken Languages:** Portuguese (Native), English (Fluent).