

Amy Dyson

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Professional Summary

I build complex systems as an engineer, analyze them as a strategist, and explain them as a writer—drawing on over 20 years of experience in software development, training, and business leadership.

Skills

- **Business Analysis** Requirements gathering, SME interviews, process optimization, functional specifications, user acceptance test plans.
- **Documentation & Training** Creation of: technical training classes, PDFs, educational web applications, training videos, wikis, software book.
- **Languages & Frameworks** JavaScript, TypeScript, Angular, AngularJS, React
- **Front-End Development** HTML, SCSS, responsive design, animations, Highcharts (data visualization), Figma
- **Back-End Development** REST APIs, JSON, npm, Node.js, GraphQL
- **Tests & Methodologies** Git, unit testing, CI/CD, Agile certification, AWS cloud certification

Experience

Full Stack Developer — *Freelance, San Diego, CA, July 2025–Present*

Developing a full-stack React application for blood pressure awareness for a medical group. Developing a website for a public health nonprofit that uses drones and AI to find mosquito larvae.

Senior Front-End Developer (Contract) — *Solar Turbines, San Diego, CA, January 2018–June 2025*

- *Built scalable Angular/TypeScript apps, including the “Value” app that helped the sales team secure major turbine contracts.*
- *Led data privacy implementation for InSight software, ensuring compliance and reducing legal risk. Wrote functional specs and user acceptance testing plan for the wider InSight team.*
- *Created internal software tools & training that saved hundreds of R&D hours for the wider group.*

Co-Founder — *Studio West & TRAC, San Diego, CA, 2010–2017*

- Co-founded San Diego’s largest commercial recording studio.
- Grew revenue from zero to \$1.5M through pioneering hands-on audio education.

Embedded Engineering & Semiconductor Technical Trainer — *Andiamo Technologies 2005–2009*

- Created training for the semiconductor industry, most notably for a timing-focused microcontroller that catalyzed a niche market that continues to thrive two decades later.

Education

Chatham University — *BA, Computer Science & English Literature*

Texas A&M — *Coursework in Computer Science, Honors program*