

Tony Brasunas

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FRONTEND ARCHITECT | AI-NATIVE PRODUCT ENGINEER

Software Strategy & Technical Leadership

Architects scalable frontend platforms and guides distributed engineering teams. Builds products that transform complex technical capabilities into intuitive customer experiences. Combines deep hands-on engineering with seasoned leadership. Partners across engineering, product, and design to launch and evolve applications that customers love to use.

- **Frontend Architecture & Technical Strategy**
- **JavaScript (ES6+) and Typescript**
- **Microservices and REST API Integration**
- **Frontend-Focused Full Stack Engineering**
- **AWS Cloud Services and Serverless Technologies**
- **Frontend Performance, Accessibility & UX**
- **Claude Agentic AI-Native Code Development**
- **Angular (v2-20+), React, AngularJS**
- **Module Federation and Distributed Frontend Architecture**
- **CI/CD Pipelines and Agile Sprint Delivery**
- **Google Maps API and Data Visualization (D3.js)**
- **Webpack, NPM and GitHub Version Control**

Professional Experience

SHELL RECHARGE SOLUTIONS, Los Angeles, CA

2020 - 2026

Lead Frontend Engineer

Joined Shell's electric vehicle division to accelerate EV adoption and user engagement.

- Led architecture and ongoing evolution of Fleet Manager, a flagship Angular platform used by enterprise customers including FedEx and Amazon to manage and monitor EV fleet operations.
- Implemented frontend Module Federation, integrating Angular and React applications into a unified UI and connecting distributed backend Java SpringBoot microservices via REST APIs.
- Built and advanced "Driver Portal" progressive web app, empowering drivers to locate charging stations through embedded Google Maps functionality, manage accounts, process payments, and initiate remote charging sessions.
- Mentored engineers, led frontend technical planning, and improved developer productivity through engineering standards, sprint leadership, and architectural guidance.
- Leveraged AI-native development workflows (Claude and GitHub Copilot) to accelerate prototyping, implementation, unit testing, and architectural exploration.
- Drove frontend architecture, shared engineering standards, and reusable frontend foundations across multiple applications, improving scalability, maintainability, and consistency of user experiences across the platform.
- **Environment:** Angular v5-20 | TypeScript | JavaScript | AI-native development (Claude, GitHub Copilot) | Java SpringBoot | VSCode | Docker & Kubernetes | Google Maps API | Webpack | Material UI | Ant Design

DESIGNED TO RUN, New York, NY

2021 - 2022

CTO (Fractional)

Joined political campaign SaaS startup to design and launch "Campaign Website Maker", a customer-facing platform to streamline campaign website creation and enhance digital engagement.

- Directed and mentored full-stack engineering teams, establishing technical priorities and delivery frameworks that ensured on-time product execution.
- Evaluated and proposed strategic third-party integrations that expanded platform capabilities and strengthened customer value proposition.
- **Environment:** AWS | Angular | TypeScript | JavaScript | HTML5 | CSS3 | GitHub

SIGHTEN, San Francisco, CA

2017 - 2019

Senior Software Engineer

Joined rapidly growing solar SaaS startup and coordinated development initiatives supporting customer-facing sales technologies and user experience optimization prior to acquisition by EverBright.

- Led front-end engineering efforts within 8-person full-stack team, refining development practices and UI enhancements that boosted team efficiency and delivery speed.
- Rewrote and expanded Remote Solar Design (RSD) interface, integrating Google Maps API functionality that equip customers with ability to visually shape solar arrays directly on rooftop layouts.
- Connected application to greenfield Python Django REST API backend, elevating system performance, security, and data integration capabilities.
- **Environment:** AngularJS | JavaScript | HTML5 | CSS3 | Python | Google Maps JSAPI | Lodash | Babel | Semantic UI | NPM | Webpack | GitHub | Jasmine | Karma | Chai

SUNGEVITY, Oakland, CA

2011 - 2017

Senior Software Engineer

Constructed and delivered frontend customer-facing applications for pioneering solar sales experiences.

- Crafted iQuote, an industry-first web application that facilitated customers receiving solar installation estimates without requiring in-home consultation.
- Reengineered iQuote 2 years later into AngularJS-based platform integrated with Salesforce, improving scalability, responsiveness, and user interactivity.
- Implemented dynamic visualizations using D3.js, empowering customers to view projected savings and energy production data, facilitating increased sales conversion rates.
- Mentored software engineering interns, strengthening onboarding effectiveness, productivity, and team morale.
- **Environment:** AngularJS | PHP | CakePHP | JavaScript (ES5/ES6) | HTML4/5 | CSS2/3 | D3.js | jQuery | MySQL

BLUE ANTHEM MEDIA, San Francisco, CA

2009 - 2012

Founder

Founded and operated web development company to introduce custom websites and digital solutions for small business clients. Oversaw all aspects of product development, customer engagement, and delivery. "Beautiful websites from scratch to launch."

- Mastered full-stack expertise across design, development, and deployment, acquiring and retaining clients.
- Created Topaz, proprietary website management software that enabled customers to edit and update website content in real time.
- **Technologies:** ColdFusion | MySQL | WordPress | JavaScript | HTML | CSS | AJAX | jQuery | PHP | XML
- **Design:** Adobe Fireworks | Photoshop

EDUCATION

- **China Fellow.** Princeton University, Princeton, NJ
English Teacher for an academic year at Peizheng High School in Guangzhou, China.
- **Bachelor's Degree, Computer Science.** Amherst College, Amherst, MA
Additional studies in Chinese and Creative Writing.

ADDITIONAL

- Published author of 2 nonfiction books, *Double Happiness*, an award-winning China travel memoir, and *Red White & Blind*, an investigation of news bias and disinformation.
- Contributing writer for the *San Francisco Chronicle*, *HuffPost*, and other media outlets.
- Conversational proficiency in Spanish and Mandarin Chinese.
- Interests include guitar, soccer, yoga, and chess.
- 99th percentile SAT score.