



# Gavin Sawyer

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Engineer with advanced knowledge of computer programming and software development. Creating software since age 13. Proficient with JetBrains, Unix, and cloud computing concepts. Closely followed the rollouts of HTML5, CSS3, and Angular; the widespread transition to TypeScript; and the popularization of serverless architecture and BaaS platforms like Amplify and Firebase. The first non-employee to be published in Google's new Firebase Extensions Hub by creating a highly requested SDK for biometric authentication.

## Education

**SUFFOLK UNIVERSITY**    (Fall 2019-Spring 2023)  
The Sawyer Business School is accredited by the AACSB.

- BSBA graduate
- Double major: Global Business, Analytics
- Minor: Cybersecurity

**DON QUIJOTE MADRID**    (Spring 2021)  
don Quijote is accredited by the Cervantes Institute.  
Earned B1-level certification for Spanish proficiency in Madrid during online classes.

## Experience

**FIREBASE-WEB-AUTHN** — [GITHUB.COM/GAVINSAWYER/FIREBASE-WEB-AUTHN](https://github.com/gavinsawyer/firebase-web-authn)

Led to paid consultation opportunities for startups in three countries and has been installed on hundreds of apps via NPM and the Extensions Hub.

A Firebase Extension for authentication with WebAuthn passkeys, a new web standard for passwordless authentication. Allows websites built on Google's app development and cloud platform to use biometrics in place of passwords while changing only one line of app code.

**SHORTCUTS-API** — [GITHUB.COM/GAVINSAWYER/SHORTCUTS-API](https://github.com/gavinsawyer/shortcuts-api)

An API and library of iOS shortcuts used to create highly detailed home automations based on the user's Focus mode, location, and time of day.

## Proficiencies

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| → HTML, CSS, JavaScript                        | (10 years) |
| → AWS, RESTful APIs, NodeJS, MongoDB, SQL, Git | (8 years)  |
| → TypeScript, Angular, RxJS, Sass              | (7 years)  |
| → Google Cloud Platform, Firebase, Amplify     | (5 years)  |
| → Nx, R, Adobe Illustrator & Photoshop         | (4 years)  |