

Steven Flesch

Independent Developer • Experienced Pilot • Effective Leader

Independent developer seeking to leverage my experience as an airline pilot to bring my attention to detail, aptitude for learning, and results-oriented management to a new role. Enthusiastic about optimization and mastering new technologies.

Development Experience

Independent Contractor

Developer

2011-Present

- Created Node.js/Express API and cross-platform Flutter app (ATIS App) to access airport weather previously unavailable to the public. Node.js server interfaces with FAA weather service to cache and store real-time textual weather and serve API to both iOS and Android apps.
- Created Windsock for Android which automatically downloads and notifies users of new airport weather conditions and forecasts. This is a native Android app (in Java) that works in the background to download weather reports and alert users if certain conditions are present (such as snow or rain). Additionally, it highlights weather conditions pertinent to pilots for rapid assessment of airport conditions.
- **Technologies used:** Flutter/Dart, Java, Android SDK, Javascript, Node.js, MySQL, SQLite, Firebase

Pilots For Kids (pilotsforkids.org)

Volunteer Webmaster

2009-Present

- Maintainer for website & server for non-profit dedicated to helping hospitalized children. Website connects the 5,000+ volunteers to the organization via custom LAMP (Linux/Apache/MySQL/PHP) application stack including custom CMS, report generation software, and calendar syncing system.
- Responsible for writing and maintaining PHP application code, maintaining MySQL database, and securing server responsible for collecting member information, dues, and donations (via credit card and PayPal subscriptions).
- Most recently implemented an automated dues subscription system that records payments via PayPal's IPN system, making it easier for members to automatically pay dues and cut down on the time and mailing costs of annual dues renewals.
- **Technologies used:** PHP, MySQL, Javascript, jQuery, CSS, Bootstrap, Linux, Apache

Additional Portfolio Projects

- Created Node.js app to send real-time snapshots from Ring cameras to Android TV devices, a capability currently unavailable to Ring camera owners. [github.com/stevenflesch/ring-to-android-tv]
- ATC Callsigns - Native Android application that displays a searchable list of aircraft operator callsigns.

Professional Experience

Airline Pilot

United Airlines

May 2015 to Present

- Worked with a diverse team of individuals and myriad of hardware and software to efficiently operate flights in challenging operational conditions.
- Coordinated amongst several work groups to operate flights on-time in rapidly changing time-critical environments.
- Successfully managed inflight emergencies as part of a team, coordinating with company personnel and air traffic control.

Airline Pilot

Atlantic Southeast Airlines

Jan 2007 to May 2015

- Operated ATR-72, CRJ-200/700/900 aircraft as Captain and First Officer.

Assistant Chief Flight Instructor

Air America Flight Center

Feb 2006 to Jan 2007

- Created standardization manuals, procedures, and checklists for 20+ aircraft fleet.
- Managed a team of five pilots conducting aerial imaging contract work nation-wide.
- Gave flight instruction (introductory to advanced), conducted student progress checks.
- Created company website, increasing local and foreign student enrollment.

Education

Bachelor of Science: Aeronautical Science

Embry-Riddle Aeronautical University, 2003-2006, Graduated Cum Laude

Volunteerism

Line Oriented Safety Observer, 2010 & 2020

- Selected and trained as a Line Oriented Safety Observation observer for Atlantic Southeast Airlines (2010) and United Airlines (2020). Observed flight crews on revenue flights and generated extremely detailed reports to identify threats and errors seen by pilots. Reports contributed to operational changes enhancing safety and training at each airline.

Communications Coordinator, Air Safety Organization

2012-2015

- Assisted in planning and creation of safety-related content for the 50,000+ pilots of the Air Line Pilots Association. Participated in high-level planning meetings and maintained website highlighting safety content.

Portfolio & Contact

stevenflesch.com • github.com/stevenflesch • [linkedin.com/in/stevenflesch](https://www.linkedin.com/in/stevenflesch)