

BENJAMIN FOLKS

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AEROSPACE-SOFTWARE ENGINEER

Multi-faceted engineer with experience working on project teams in numerous fast-paced environments. Aims to combine Aerospace Engineering Degree, software development experience gained in professional environments, and real-world aviation experience as an **FAA Certified Instrument-Rated Pilot**.

TECHNICAL SKILLS

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|----------|---------------------|------------|
| • Python | • JavaScript/jQuery | • VB.NET |
| • Django | • Ember.js | • HTML/CSS |
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WORK EXPERIENCE

RedShelf • Chicago, IL • January 2018 – Present

Web development company providing digital content for educational institutions

Full-Stack Software Engineer

- Work on a small development team to address product-driven enhancement/bug tickets while simultaneously building out entirely new business-driven applications
 - Created new application utilizing Django-Rest-Framework and Ember.js
 - Built REST API's to handle CRUD methods, as well as other custom operations, utilized by the front-end Ember application and back-end services
 - Service-based encapsulation for all Python objects, where API Logic Mangers are used for all cross-service related queries
 - Constructed unit, integration, and acceptance (Selenium) tests, completing an initiative to increase coverage across the code-base to over 90%
 - Collaborated with development teams in an Agile Environment, using SCRUM methodology
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AdThrill • Chicago, IL • December 2017 – Present, (Part-Time)

Start-up website for users to watch and rate advertisements (adthrill-prod.herokuapp.com)

Lead Python Engineer

- Rebuilt model structure within the Python/Django application in order to successfully utilize the Django ORM in creating a user-business search algorithm
 - Completed overhaul of front/back-end site components to allow for AJAX requests between JS Video Player and Django database.
 - Deployed the first build of the site for use in live production
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DP Technology – ESPRIT • Rosemont, IL • July 2012 – December 2017

Developer and supplier of computer-aided manufacturing (CAM) software.

Senior Applications Engineer

- Manage customer-specific enhancement proposals from concept to finished product
 - Utilize customer feedback obtained during trainings and consultations to plan and create additional VB.NET/VBA applications within the software API for improving software UX
 - Travel onsite to aerospace and US government clients to oversee technical projects, including NASA Glenn, Woodward Inc, Northstar Aerospace, Tinker AFB
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EDUCATION

Bachelor of Science in Aerospace Engineering

UNIVERSITY OF ILLINOIS • Urbana-Champaign, IL • 2011

FAA Certified Private Pilot - Instrument Rating