

# Austin Ward

Software Engineer

## SUMMARY

Software Engineer specializing in user-facing software, automation, and developer tooling. Experienced in building production applications and automation tooling with Python, Flask/Django, and Kotlin. Licensed Professional Engineer with hands-on experience in launch operations, control systems, and process optimization.

## TECHNICAL SKILLS

**Languages & Frameworks:** Python, Django, Flask, Kotlin (JVM/Android), JavaScript, Node.js, HTML, CSS

**Back-end & Data:** REST APIs, SQL, PostgreSQL

**DevOps & CI/CD:** GitHub Actions, GitLab CI, Microsoft Azure (App Services, Azure DevOps, Azure Pipelines)

**Testing & Automation:** Unit & integration testing, Selenium, tooling development, automated workflows

**Tools & Platforms:** Git, Bootstrap, Amazon S3, Android SDK, PLC troubleshooting (Allen-Bradley, Beckhoff)

**Certification:** Licensed Professional Engineer (Florida, PE #98700)

## PROFESSIONAL EXPERIENCE

**Software Applications Engineer** – *Blue Origin* | Cape Canaveral, FL

June 2025 – Present

- Delivered Python tooling to automate repetitive launch workflows, cutting manual work and lowering error rates.
- Met with engineering and operations teams to translate needs into polished, user-friendly operator panels (real-time UIs for monitoring and controlling systems) and workflows that improved usability and reduced errors.
- Identified gaps in knowledge and process, and created runbooks, prompts for an internal Artificial Intelligence (AI) agent, and other solutions to standardize practices and accelerate team ramp-up.
- Troubleshot real-time anomalies during hotfire and launch campaigns, diagnosing system faults and driving rapid resolutions under operational pressure.

**Lead Automation Developer** – *POWER Engineers | Orlando, FL (Remote)*

February 2021 – May 2025

- Built, shipped, and maintained internal Python web applications and automation tools that eliminated repetitive tasks and accelerated cross-team handoffs.
- Designed and maintained REST APIs and CI/CD pipelines (Azure Pipelines) to increase deployment reliability and shorten release cycles.
- Implemented user-focused front ends (Flask, JavaScript, Bootstrap) that turned complex workflows into clear, actionable interfaces for non-technical users.
- Partnered with stakeholders to map manual processes, prioritize tooling, and iterate on features using real-world feedback to maximize impact.

**Power Transmission Line Engineer** – *POWER Engineers | Orlando, FL*

February 2019 – February 2021; Internships: 2017 & 2018

- Led structural design and permitting for transmission line and cellular tower projects, coordinating deliverables, client reviews, and contractor handover to ensure on-schedule construction and regulatory compliance.

## **EDUCATION**

**University of Florida** – *B.S. in Civil Engineering, Cum Laude | Gainesville, FL*

## SELECTED PROJECTS

**LuxuriousHomeFurnishings.com** - *Affiliate Marketing Website*  
(<https://www.luxurioushomefurnishings.com/>)

Python, Django, PostgreSQL, Bootstrap, Amazon S3. Designed and deployed a scalable, responsive affiliate website with optimized image delivery and SEO-focused architecture.

**Road Trip Games** - *Android Application*  
([Google Play](#))

Kotlin, Android SDK. 10k+ downloads and 400+ in-app purchases; implemented monetization, store optimization, and analytics-driven feature improvements to raise engagement and revenue.

**Simple Strobe App** - *Android Application*  
([Google Play](#))

Kotlin, Android SDK, Google Play Billing, Unity Ads. Lightweight strobe utility with multiple modes, customizable settings, persistent preferences, and ad monetization; optimized for performance and low battery impact.

**Surplus Fund Lead Generator** - *Automated Web Scraper*  
([Demo](#))

Python, Selenium, GitHub Actions. Built a scheduled scraping and delivery pipeline that outputs structured spreadsheet (.XLSX) leads for surplus fund recovery workflows.