

Jessica Paradise

Cloud Engineering | AWS Certified (SAA-C03) | ATP Captain

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SUMMARY

Former airline pilot and jet Captain moving into cloud engineering. Holds the AWS Solutions Architect – Associate certification and handles cloud and security work at an early-stage AI startup. Brings 10+ years of safety-critical operations: incident response under pressure, strict runbook discipline, and calm ownership when systems fail. Completing a B.S. in Computer Science at WGU.

TECHNICAL SKILLS

Cloud (AWS): Kinesis, Lambda, CloudFront, IAM with OIDC federation, serverless architecture

Operations: Linux, ITIL 4 service management, incident response, runbooks and SOPs, change management

Infrastructure as Code & CI/CD: Terraform, Docker, GitHub Actions, Architecture Decision Records (ADRs)

Languages & Frameworks: Java (Spring Boot), Python, JavaScript, Angular, React Native

Embedded & Hardware: ESP32, KiCad PCB design

PROJECTS

Landon Hotel — Containerized Spring Boot + Angular App (WGU D387)

- Added multithreading to a Spring Boot back end to serve welcome messages in English and French at the same time.
- Built time-zone conversion and multi-currency pricing into the Angular front end.
- Wrote a multi-stage Dockerfile that builds and runs the full app in a single container, keeping the final image small.

Vacation Booking REST API — Spring Boot + MySQL (WGU D288)

- Built a Spring Boot REST API connecting an Angular front end to a MySQL database, mapping eight JPA entities to an existing schema.
- Wrote a transactional checkout service and endpoint that validates each order and saves the cart and its items together.
- Debugged Hibernate 7 upgrade issues, including a retired MySQL dialect and a stale-object error on new carts.

Parrot Ice Drones — Spring Boot Inventory App (WGU D287)

- Customized a Spring Boot MVC inventory app with Thymeleaf pages, startup data seeding, and a Buy Now flow that updates stock.
- Built a custom validator that enforces minimum and maximum inventory levels, backed by unit tests.

ESP32 IoT Device — PCBWay-Sponsored Hardware Build

- Designing a custom PCB in KiCad for an ESP32 device; earned a PCBWay manufacturing sponsorship for the build.

In progress

EXPERIENCE

Early-Stage AI Startup (Stealth) | Software Engineer (part-time)

Austin, TX · 2026 – Present

- Helping build an AI supplier-sourcing product from the ground up, focused on its cloud infrastructure and security.
- Built the data-collection pipeline, using Firecrawl to scrape and structure supplier data.
- Moving the pipeline from local machines onto AWS and setting up the AWS infrastructure it runs on.
- Securing the platform with least-privilege IAM access, secrets management, and protection of collected supplier data.

JNP Aviation | Captain, Phenom 300

Seattle, WA · Apr 2024 – Apr 2026

- Sole operator and final decision-maker for a single-pilot jet, diagnosing and resolving abnormal situations in real time.
- Owned the full aircraft management program: maintenance coordination, inspections, and readiness tracking.
- Ran post-maintenance functional check flights, validating that repaired systems met spec before return to service.

Air Transport International | First Officer, B-767 / B-757

Jul 2023 – Dec 2023

- Operated heavy jets on international cargo and Department of Defense missions; handled international flight planning.

Solairus Aviation | Captain, Phenom 300

Oct 2021 – Jan 2023

- Delivered reliable, on-schedule service to private clients as the single point of accountability for each operation.

Flexjet | Captain & Second in Command, Phenom 300 / Legacy 450 / 500

Nov 2018 – Oct 2021

- Worked in a high-tempo, 24/7 operation with strict adherence to standard operating procedures.

Horizon Air | First Officer, Q400

Jan 2017 – Aug 2018

- Built crew resource management (CRM) and checklist discipline across high-frequency, multi-leg airline schedules.

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate (SAA-C03)
- AWS Certified Developer – Associate (DVA-C02) · exam Oct 2026
- ITIL 4 Foundation
- Linux Foundations certification
- WGU Micro-Credentials: Java Developer, Back-End Developer
- FAA Airline Transport Pilot (ATP) · Type ratings: B-757, B-767, EMB-505, EMB-550, DHC-8
- FAA Part 107 Remote Pilot

EDUCATION

B.S., Computer Science — Western Governors University

In progress, 94 credits completed · Expected Aug 2027

B.S., Aeronautical Science — Green River College

2019