

Ashleigh Magloire

Junior Backend & Full-Stack Engineer

github.com/Iris408 | linkedin.com/in/ashleigh-magloire
portfolio-website-blond-nine-77.vercel.app/

Junior Backend & Full-Stack Engineer with hands-on experience building full-stack applications using React, TypeScript, Python, FastAPI, PostgreSQL, Docker, and REST APIs.

I have developed backend systems, authentication workflows, analytics dashboards, automation tools, and containerised applications focused on API integration, database design, and scalable system architecture. My background in technical operations, troubleshooting, and data-driven environments within the automotive and ADAS industry at Tesla has strengthened my ability to work in fast-paced technical environments.

I am currently completing an MSc in Computer Science while continuing to expand my backend skill set through DevOps, cloud technologies, PHP/Laravel, and Java/Spring Boot.

PROJECTS

Bloom - Calm Routine, Focus & Progress App

React | Vite | Tailwind CSS | localStorage | Accessibility-focused UI | Vercel

- Built a mobile-first routine, focus, task and progress tracking app designed around calm, low-demand user experience.
 - Implemented reusable UI components, empty states, routine step management, daily reset behaviour, progress snapshots, and localStorage persistence.
 - Delivered an accessibility-focused experience with dark mode, adjustable text sizes, OpenDyslexic support, reduced-motion settings, and responsive mobile layouts.
 - Prepared beta feedback workflow and future FastAPI/PostgreSQL backend roadmap.
- | [GitHub: github.com/Iris408/bloom-app](https://github.com/Iris408/bloom-app) | [Live: https://bloom-app-three-xi.vercel.app/](https://bloom-app-three-xi.vercel.app/) |

JWT Authentication Dashboard

React | TypeScript | FastAPI | PostgreSQL | JWT | Vercel | Render | GitHub Actions CI

- Built a portfolio-ready authentication dashboard with JWT login, protected routes, dashboard access, and admin-only user listing.
 - Integrated a React/TypeScript frontend with my deployed Mini User API FastAPI/PostgreSQL backend, including JWT token storage, role-based UI flows, and live API communication.
- | [GitHub: https://github.com/Iris408/jwt-authentication-dashboard](https://github.com/Iris408/jwt-authentication-dashboard) |

Inventory Management System

React | TypeScript | FastAPI | PostgreSQL | SQLAlchemy | Docker | Tailwind CSS

- Built a full-stack inventory dashboard with CRUD operations, filtering, sorting, stock status tracking, analytics cards, and timestamp handling.
- Developed FastAPI/PostgreSQL backend APIs with SQLAlchemy ORM and integrated them with a responsive React/TypeScript frontend.
- | [GitHub: github.com/Iris408/inventory-management-system](https://github.com/Iris408/inventory-management-system) |

EXPERIENCE

Tesla, London – ADAS Engineer

FEB 2025 - Present

- Worked within high-volume technical environments supporting ADAS and data collection workflows.
- Performed system analysis, validation and data quality investigations across ADAS testing workflows.
- Supported ADAS data collection operations across multiple European locations, developing strong troubleshooting, adaptability skills in fast-paced technical environments.
- Collaborated across cross-functional teams to support system troubleshooting, operational efficiency and issue resolution.

Tesla, London – Operations Specialist

MAY 2023 - FEB 2025

- Supported operational workflows within a fast-paced technical environment focused on process efficiency, troubleshooting and continuous improvement.
- Troubleshoot internal systems, workflow issues, and operational processes across multiple technical areas.
- Coordinated across technical and non-technical teams to support operational processes, issue resolution, and internal workflow management.

London | Edinburgh, United Kingdom

Open to International Relocation & Global Team Environments

Contact:

Phone: +44 (0) 7805 029057

Email: ashmagloire45@icloud.com

TECH STACK

Languages

Python | JavaScript | TypeScript | SQL

Backend

FastAPI | REST APIs | SQLAlchemy ORM | JWT Authentication | OAuth2

Frontend

React | Tailwind CSS | Vite | Astro

Databases

PostgreSQL | SQLite

DevOps & Tools

Docker | Docker Compose | Linux | Git/GitHub | GitHub Actions | Vercel | Render

Additional Development

Java | Spring Boot | C#/NET basics | CI/CD pipelines | AWS basics

EDUCATION

Heriot-Watt University

MSc Computer Science

Jan 2026 - Present

CERTIFICATIONS

IBM Devops & Software Engineering Professional Certificate

(Expected completion: September 2026)

LANGUAGES

English

Native

Japanese

Conversational Technical