

Abhay Mundhara

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Professional Summary

AI-focused Software Engineer with hands-on experience in test automation, full-stack development, and cloud-ready services. Keen interest in .NET and Azure with a track record of building reliable CI/CD workflows, improving QA efficiency, and delivering user-centric features. Looking to contribute to a precision-driven engineering team building scalable applications in Azure and SQL Server environments.

Technical Skills

- **Languages & Frameworks:** C#, .NET/.NET Core (learning, side projects), JavaScript/TypeScript, React, Angular (familiar), Node.js, Python, HTML, CSS
 - **Cloud & DevOps:** Azure (App Services, Functions, Storage – learning), Azure DevOps, GitHub Actions, CI/CD pipelines, Docker
 - **Databases:** MS SQL Server (beginner), PostgreSQL, SQLite
 - **Testing & Quality:** Playwright, Cypress, Jest, Postman
 - **Tools:** Git, GitHub, Notion, Visual Studio Code
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Experience

BT Group — QA/Test Automation Engineer (Contract) | 2024

- Built and migrated **30+ automated test scripts**, improving test reliability and execution speed
- Contributed to **framework modernization** by migrating scripts from legacy to new tooling and structure (.NET-ready patterns), reducing flaky tests and maintenance overhead
- Implemented **CI improvements** with version control best practices and pipeline hygiene, reducing manual interventions in nightly runs

- **Collaborated cross-functionally** (dev, QA, product) to streamline QA processes and accelerate release cadence
- Debugged and troubleshooted complex test failures, improving overall system stability

Stoneage General Trading LLC — Full-Stack Developer (Freelance) | 2023

- Developed a **full-stack client website** and admin views; iteratively delivered releases aligned to requirements
- Added **telemetry and error reporting** to improve debugging and time-to-fix
- Improved communication and client satisfaction by delivering **regular progress demos**
- Handled multiple deliverables under deadline pressure with strong organizational skills

Dysney Imports — Operations Manager | 2021–2022

- Managed staff operations, inventory, and client relations; optimized stock processes to reduce delays
- Strengthened customer engagement and operational efficiency through **process oversight and documentation**
- Demonstrated flexibility and proactive problem-solving in a fast-paced environment

Selected Projects

ChatDock (cross-platform desktop app) — 2025

- Cross-platform desktop app integrating **local-first AI assistants**
- Designed a modern floating bar UI with **React and Tailwind**; modular plugin-style architecture
- Added prompt tooling, context windows, and hotkeys for fast AI workflows; packaged for macOS/Windows
- Technologies: Electron, React, TypeScript, AI integration

WhatsApp Clone — 2024

- **Real-time messaging** with typing indicators and media; built REST + WebSocket backend; deployed to cloud PaaS
- Implemented **authentication/authorization**, message persistence, and conversation search; wrote Playwright tests
- Technologies: Node.js, React, WebSocket, PostgreSQL, Cloud deployment

Car Rental Management — 2023

- Built a management dashboard (React/Node) with bookings, fleet, and billing; **role-based access**
 - Added **CI checks** (lint/test) and containerized services with Docker; connected to SQL database
 - Technologies: React, Node.js, SQL, Docker, CI/CD
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Education

MEng Computer Science, Queen's University Belfast

- **Coursework:** Distributed Systems, Databases, Software Engineering, Cloud Computing, and AI/ML electives
 - **Team project:** Built a microservice webpage with CI/CD and observability; presented results to industry mentors
 - Strong foundation in software design patterns, agile methodologies, and collaborative development
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Additional Information

- **Interests:** Applied AI, automation, developer productivity, precision engineering
- **Eligibility:** Full UK work rights; available for occasional travel; Full UK driving licence
- **Work Style:** Strong organizational skills, flexible and proactive, able to work independently and within cross-functional teams
- **Portfolio/GitHub:** github.com/abhaymundhara