

Faheem Saleem

- Portfolio: faheemsaleem.com
- GitHub: [faheem-s27](https://github.com/faheem-s27)
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Final year Computer Science student (First-Class Honours predicted) with a full year of industry experience at Thales. A dedicated software developer since 2017, with a portfolio including a published Android app attracting over 50,000 downloads and a self-hosted cloud server. Proven ability to apply corporate engineering discipline to enhance software reliability, evidenced by executing 200+ test cases and resolving over 100+ software defects during my placement. Seeking a challenging graduate role to leverage this blend of long-term passion and professional experience.

Professional Experience:

Systems Integration & Test Intern | Thales

(August 2024 – August 2025)

- Enhanced software reliability for the MMCM project by executing **200+ integration test** cases and driving the full resolution lifecycle of **100+ software defects** using Jira and Doors.
- Contributed directly to the software development lifecycle, resolving over **8 critical bugs** and implementing a new UI feature that allowed dynamic screenshot naming, significantly improving user workflow.
- Engineered and deployed a redesigned Grafana monitoring dashboard to improve real-time data visualization, leveraging Prometheus for data sourcing and using Ansible playbooks to automate provisioning.
- Improved system flexibility by refactoring a core module to support multiple image file extensions, making the list of accepted types fully configurable via Ansible to streamline environment updates.
- Ensured 100% operational readiness of critical test environments by performing **12+ major system rig updates**; proactively diagnosed and resolved complex Linux hardware and network conflicts, including PXE boot failures and GPU driver incompatibilities.
- Trained and mentored a team of two junior interns and their direct manager on SI&T processes, test rig operations, and issue tracking, accelerating their onboarding and productivity.

Team Leader | Great Uni Hackathon 2023

(October 2023)

- Led a team in a 24-hour coding challenge, coordinating project workflow and leveraging team member strengths to deliver a functional prototype under a tight deadline.

Mentor and Student Ambassador | Xaverian College

(October 2021 – March 2022)

- Guided fellow students through programming challenges and acted as ambassadors during open college days, engaging with prospective students and families.

Personal Projects

Statics for Valorant | Android (Kotlin, Jetpack Compose, SQL, REST APIs)

- Architected and independently published a native Android app with 50,000+ downloads, leveraging Kotlin, Jetpack Compose, and Material 3 design principles. The app securely authenticates users via the official Riot Games API (OAuth) and provides real-time gameplay statistics.
- Video trailer created in Adobe After Effects: [YouTube Trailer](#)

Self-Hosted Cloud & Media Server | Docker, Linux, Android (Kotlin)

- Engineered a 24/7 low-power home server on a Raspberry Pi 5, deploying a containerized suite of services including a NAS (OMV), a private photo cloud (Immich), and a Plex media server. Implemented secure remote access using a Tailscale VPN.
- Developed a bespoke native Android dashboard app, "Pi-View," using Kotlin and Jetpack Compose to provide a clean, mobile-native interface for monitoring and managing the server's services.

Offline AI Personal Assistant ("Jarvis") | Python, LLM (Ollama), TTS, pvporcupine

- Engineered a fully offline, voice-controlled AI assistant inspired by Jarvis. The system runs a local LLM (Ollama) for conversational AI, uses pvporcupine for efficient wake-word detection, and Coqui TTS for speech synthesis, creating a complete, private AI pipeline.

For detailed technical write-ups on all my projects, please visit my portfolio: faheemsaleem.com

Technical Skills

- **Languages:** Kotlin, Java, C#, Python, JavaScript, TypeScript, SQL, HTML/CSS, C++, Bash
- **DevOps & Cloud:** Docker, Ansible, Jenkins, Git, CI/CD, Nginx, Cloudflare (DNS, SSL), Firebase
- **Frameworks & Platforms:** Android Development (Jetpack Compose, XML), Linux (Red Hat, Ubuntu), React
- **Databases & Data:** PostgreSQL, MySQL, SQLite, REST APIs, Web Scraping, Multithreading
- **Systems & Hardware:** System Integration & Testing (SI&T), Network Troubleshooting (PXE, VLANs), IoT (Arduino, Raspberry Pi)

Education

BSc (Hons) Computer Science with Industrial Placement – Manchester Metropolitan University

(September 2022 - June 2026 Expected)

- Predicted First-Class Honours. (Year 1: 86%, Year 2: 80%)

A level – Xaverian College

(September 2020 – June 2022)

- Computer Science, Mathematics, Physics

GCSEs – Parrs Wood High School

(September 2015 – August 2020)

- GCSEs: 9 GCSEs (4-7), including Math's, English & Science