

# MOHAMED HARIS KHAJA MAINUDEEN

SOFTWARE ENGINEER · MSc ARTIFICIAL INTELLIGENCE

Guildford, Surrey, UK

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Flutter developer with 5+ years of experience building production-ready cross-platform applications. Full-stack expertise extends to Next.js, Node.js, and FastAPI backends. Delivered marketplace apps, social platforms, and business solutions with clean architecture and robust state management. Known for maintainable, well-tested code and optimizing performance across devices.

## SKILLS

Mobile Development	Flutter, Dart, BLoC/Provider, Firebase, State Management, App Performance, Platform Integration
Frontend	Next.js, ShadCN, React, TypeScript, GraphQL, Material UI, Responsive Design, Tailwind CSS, Bootstrap
Backend	Node.js, Express, FastAPI, Firebase, REST API Design, Authentication, JWT, WebSockets
Database	MongoDB, Firebase Firestore, MySQL, PostgreSQL, Redis, Database Optimization
DevOps & Testing	Docker, Kubernetes, CI/CD, Git, Widget Testing, Unit Testing, TDD

## EXPERIENCE

**DigitalAgents LLC, Product Manager** | Remote (Texas, USA) Feb 2025 – Apr 2025

- Led product design and full-stack development of 3 SaaS products: DemoMonkey, Digital Agents Coach (Next.js), and OneSpot (Chrome extension)
- Collaborated directly with CEO on product vision, UX/UI, and development using Next.js and Node.js
- Deployed features using clean code practices and agile methodology; built real-time dashboards and AI-integrated flows
- Managed stakeholder feedback, sprint planning, and version releases across distributed teams.

**IBM India, Software Engineer - II** | In-office (Chennai, India) Jun 2022 - Jan 2024

- Design all system models and specifications for all application development and assist all business staff to ensure effective operation of all system and achieve all business objectives and perform regular security audits on processes.
- Ensure smooth operation of CICD setup and contributed to regular production releases.
- Mastered Docker, Jenkins, Gitlab, and Openshift

**Sell Safe, Flutter Engineer** | Remote (India) Apr 2023 – Feb 2024

- Created an application called Sell Safe, an platform to resell and connect with local reselling community.
- Architected comprehensive Flutter application using MVVM pattern and clean architecture principles
- Implemented advanced state management with Provider and BLoC patterns for predictable flows
- Integrated Stripe payment gateway and Auth0 authentication

**Drealm Techshack, Full Stack Developer** | Remote (Chennai, India) Mar 2022 - Nov 2022

- Led development of UruMee social media application using Flutter frontend and Firebase backend. Implemented real-time data synchronization using GraphQL for efficient state management. Set up CI/CD pipeline with GitHub Actions for automated testing and deployment processes. Collaborated with backend team for GraphQL implementation and pushed the app to production on Google Play Store and App Store. Incorporated a unit testing framework with automated test cases.
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**Talker Network, Software Engineer** | Remote (Dehradun, India) Feb 2022 - May 2022

- Created an app called Talker, an Push-To-Talk conversation app using Flutter.
- Implemented Socket connection to establish real time data reflection among the users. Implemented Deep Linking using branch.io. Followed MVC Model-View-Controller architecture. Mentored a junior developer in the team.

## EDUCATION

<b>University of Surrey, MSc in Artificial Intelligence</b>   United Kingdom	Grade: <b>Distinction</b>	Feb 2024 - Feb 2025
<b>Crescent University, B.Tech in Computer Science Engineering spl. AI</b>	GPA: <b>9.3 / 10</b>	Jun 2018 - May 2022

## RESEARCH PAPERS AND PUBLICATIONS

**Proceedings of Third International Conference on Sustainable Expert Systems** Published on 23rd Feb 2023

- Advanced Vehicle Detection Heads-Up Display with TensorFlow Lite.
- [https://link.springer.com/chapter/10.1007/978-981-19-7874-6\\_47](https://link.springer.com/chapter/10.1007/978-981-19-7874-6_47)

**Revista Gestão Inovação e Tecnologias** Published on 16th Jun 2021

- Sentinel – A Neighbourhood based Live Location Streaming Safety APP for Women and Children.
- <https://www.semanticscholar.org/paper/Sentinel-E28093-A-Neighbourhood-based-Live-Location-APP-Haris-Fatima/70f8bece95d967dfba091c275bad6281f2a0d268>