Khaja Mohamed
AI Technical Instructor

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Virtual Work Visa UAE
German nationality
United Kingdom

Seeking an opportunity to contribute my diverse skillset, honed through international exposure to leading clients in IT, AI, automotive, and aerospace sectors, towards the success of your company. With a track record of excelling in various roles across multiple locations and countries, I bring a unique perspective shaped by my roots in India and German/British work experiences.

Education

1995 TO 1999
Bachelor of Engineering
Electronics Communication Engineering
University of Madras, India

2000 TO 2003
Master of Science
Information Communication Systems
Technical Uni Hamburg, Germany

Skills

TECHNICAL SKILLS

Software Languages: Java, JavaScript, React.js, J2EE, C/C++, Python, OpenAI API, Artificial Intelligence
Tools: JIRA, Windchill RVS, DOORS, OpenCV
Domains: Web/App Dev, Automotive, Aerospace,
Databases: MS Access, Oracle, ODBC, SQL
Data formats: XML, JSON Jenkins, JIRA, GIT
Concepts : Electrical, Motors, Hardware
Standards: DO178B, ASPICE, ISO26262, MISRA

SOFT SKILLS

Self-starter, Team player, Effective Communicator, Move things forward attitude, Quick Learner, Passionate Technologist, Communicative, Hands on attitude, Mentor mindset, Multicultural, Initiative, Instructor Presentation Skills, Constant Learner Leadership Skills, Training Skills, Inspirational attitude

Nationality

German

Languages

English	German	Arabic	Hindi	Tamil
Fluent	Good	Basic	Good	Native

Experience

OCT 2022 – PRESENT   PART TIME ACTIVITY
Kmtec Ltd Marketing Partner/Coach Aristostar, Dubai

- Khaja mohideen Mohamed ismail | Instructor from Industry point view | Udemy
- Marketing Collaboration with Aristostar Dubai Queue Management System https://www.aristostar.com
- Marketing Queue Management System for the European Market
- Development of a AI powered Education App
- Udemy Instructor with over 20000 students

Environment: AI Consultant, Eclipse, Java, JSP, Javascript, HTML, CSS, Selenium, OpenAPI, MySQL, Heroku, Github, Python

OCT 2022 – AUG 2022

Skills City | Software Engineering Skills Bootcamp (skills-city.com) United Kingdom

- **Technical Lead Instructor for AI Driven Software Engineering Bootcamp** at
  Training over 30 United Kingdom students live online.
  Software Engineering, Artificial Intelligence, Programming, Python, HTML, CSS, JavaScript, Artificial Intelligence, GitHub | Technical Support for Students
- Development and delivery of live teams courses | Creation of course materials, exercise, tests
- Career Guidance | Technical Assessments | PowerPoint/Word Documentation

Environment: Artificial Intelligence, OpenAI API, AI powered learning techniques, Eclipse, Java, JSP, JavaScript, HTML, CSS, Selenium, MySQL, Heroku, GitHub, Python, MS SharePoint, Student management

Technical Instructor at Udemy United Kingdom

- **Udemy Instructor with over 20000 students and 4.01 Udemy rating**
- Online courses, Video creation, PowerPoint slides preparation
- Artificial Intelligence, Software programming, Digital Marketing, Digital Transformation
- Embedded Systems, Automotive systems, Electric Vehicles, Project management
- Requirements engineering, CAD software, Mobile App Development

Environment: C/C++, Java, Flutter, HTML, CSS, JavaScript, Programming, Computer science concepts, Visual Studio Code, Eclipse, Windchill, JIRA

Technical Solutions Consultant Kmtec Ltd, United Kingdom

- Artificial Intelligence application development, leveraging cutting edge AI technology to enhance the self-learning experience Link : ai.queyed.com
- Designed and implemented a dynamic quiz creation system, allowing users to generate personalised quizzes. Artificial Intelligence based application

Environment: Eclipse, Java, Tomcat, J2EE, JSP, Stripe API, HTML, CSS, JQuery, Bootstrap, Heroku Cloud, MySQL Cloud database, OpenAI Rest API Model GPT 3.5 turbo, Tomcat server, Github, Ionos web hosting

Technical Solutions Consultant Kmtec Ltd, United Kingdom

- Blog and Ecommerce Website Front and Backend development Link: queryed.com
- Full stack development where users can post blogs/products from admin site
- Client Features: Users can post blogs, view products, and make purchases.
- Admin Features: Admins can create, edit, and manage blog posts, define product properties Design and development of the website, Client interaction, Requirement gathering

Environment: Tailwind CSS, Next.js, React, Typescript, JavaScript, Github, HTML, CSS for the front end, Firebase for backend and authentication and deployed on Vercel, Chatbot Langchain, RAG

OCT 2022 – MAR 2024

Technical Solutions Architect - Magna, Austria

- Defined system & software requirements for Electric Car eDrive Units for Daimler project
- MercedesBenz prepare-to-goall-electric-Mercedes-Benz Newsroom (mercedes-benz-media.co.uk
- Specialised in breaking down complex systems into clear requirements based on ASPICE
- Demonstrated excellence in reviewing requirements to ensure high quality solution
- Effective technical collaborations with different departments
- Presenting requirements to customers and stakeholders

Environment: Windchill, Java, Requirements Engineering, Electrical & Motor Concepts, Hardware understanding, High Voltage/Low Voltage concepts, ASPICE, ISO26262, Electronic Systems, Matlab/Simulink basics

OCT 2021 – SEPT 2022
Technical Consultant - Pfizer, United Kingdom

- Conducted requirements gathering sessions with stakeholders
- Designed end to end software customisation, implementation, and testing
- Development of Web based Document management system
- Testing using Selenium Test Framework

Environment: Eclipse, Java, Rest API, React, Postman, J2EE, JavaScript, JSP, XML, Confluence, JIRA, Bitbucket, CSS, HTML, Materialize, SQL

FEB 2021 – SEP 2021
Technical Solution Architect - Miele, Germany

- Conducted requirements gathering sessions with stakeholders
- Designed end to end software customisation, implementation, and testing
- Windchill Software Customization
- Presented solutions designs to customers to align with their needs based on Agile/Scrum

Environment: Java, J2EE, JavaScript, JavaFX, Eclipse, JSON, Agile/Scum, PTC Windchill, Confluence, JIRA, Bitbucket, JavaBeans, SQL, Oracle

FEB 2020 – JAN 2021
Lead Technical Solution Architect - Volkswagen, Germany

- Lead a team of 5 including software developers and testers
- Lead the Windchill Java Software Customization based on Stakeholder requirements
- Ensured timely delivery of solutions with Agile/Scrum framework in Sprints

Environment: PTC Integrity ALM / Windchill RV&S, AVW Solution, JavaScript, IntelliJ, JSON, Project management, Agile, Sprint delivery management and coordination

JUL 2019 – JAN 2020
Technical Consultant - Kmtec Ltd, United Kingdom

- Eye movement detection application using Python as part of R&D project
- AI techniques used to analyse and interpret the eye movements

Environment: AI, Miniconda, Python, pycharm, opencv-python mediapipe, scipy

JAN 2018 – JUN 2019
Technical Consultant (Automotive) - ZF Shirley, United Kingdom

- Defined System & Software Requirements for car steering assist systems
- Undertook technical collaboration with different departments
- Participated in system design, coding, testing full lifecycle Improving the quality of the system

Environment: C/C++, MISRA, ASPICE, Rhapsody, CANTATA, PTC Integrity, Flexray, CANAnalyzer, CANape, TASKING compiler, Polyspace static analysis tool, Python, C coding, Hardware schematics, AUTOSAR, ARM, Microcontrollers

DEC 2014 – NOV 2017
Senior Software consultant (Automotive) - Capgemini, United Kingdom

- Successfully developed and delivered middleware to Jaguar Landrover for the project CohrerenSE
- Successfully developed C# application application for interfacing with hardware

Environment: Enterprise Architect, Embedded Linux, Eclipse, Tortoise SVN, JIRA, Raspberry PI, IMX Sabrelite, ARM, Bluetooth, Agile/Scrum, UML, Jenkins, C#.NET, Visual Studio

APRIL 2013 – NOV 2014
Software consultant (Automotive) - Bosch, Germany

- Developed modules for Driver Information Systems, emphasizing Pedestrian Detection
- Image classification, training image processing model
- Played a key role in enhancing product quality through targeted improvement initiatives
- Led and executed integration, unit testing, and coordinated closely with international teams

Environment: Automotive Environment: C++, Visual Studio, DOORS, MKS Version management, Python, UML, ADTF

OCT 2008 – NOV 2012
Software Consultant - DIS AG, Germany

- **EADS Astrium Germany Aerospace**: Contributed to the development and support of software test infrastructure (EGSE) for testing the Automated Transfer Vehicle (ATV) Space Program
- Maintained and enhanced tools within the infrastructure, based on Sun Solaris
- Successful member of technical support team for European Space Launch in French Guiana

Environment: Java, Eclipse, XML, CGS (Core ground software), EGSE (Electronic Ground Support Equipment), Oracle

OCT 2006 – SEP 2008
Software Consultant - Alten GmbH, Germany

- **TriagnoSys Aviation**: Communication manager software
- Contributed to the development of software programming and testing activities

Environment: C++, XML, Linux

DEC 2003 – DEC 2005
Software Developer - Philotech GmbH, Germany

- Developed control software for smoke detection systems
- Conducted requirements analysis based on Airbus software specifications
- Utilized Artisan to create use-case model diagrams and followed up with UML design diagrams

Environment: DO 178B standards, Embedded C, DOORS, Artisan, LINT, CAN bus system, UML