GHAZI JOHAR

AI ENGINEER · AI PRODUCT DEVELOPER · FULL-STACK SOLUTION LEAD

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Profile

AI engineer and product developer building production-oriented systems across agentic workflows, retrieval-augmented generation, multimodal interaction and intelligent automation. I work from discovery and architecture through full-stack implementation, cloud integration, testing and deployment. Fifteen-plus years in learning, healthcare and enterprise environments provide the domain depth to design AI products that are useful, governed and easy to adopt.

Core capability

AI engineering Agentic workflows · RAG · embeddings · vector search · multimodal · speech · model evaluation	**Full-stack & cloud** React · TypeScript · Next.js · Node.js · Python · Firebase · PostgreSQL · SwiftUI · APIs	**Product & governance** Discovery · architecture · prototyping · testing · deployment · privacy · responsible AI

Selected AI products

Tuutta — AI learning OS unifying **4 core workflows**: course generation, intelligent tutoring, enterprise authoring and structured learner experience. React · TypeScript · Firebase · OpenAI · Whisper · Vision. Live product

Placementon — AI-native placement OS connecting **5 operating areas** with governed matching, web/API surfaces and offline mobile workflows. Next.js · NestJS · PostgreSQL · Drizzle · Expo. Live product

Sayfixly — Multimodal service marketplace converting **3 natural inputs**—text, voice and photos—into structured service requests. iOS · Firebase · Node.js · Stripe · multimodal AI. Live product

AI engineering & product experience

Jameea Pty Ltd
JUL 2023 — PRESENT

Founder, AI Product & Solution Lead — part-time

- Architect and deliver AI products from discovery and business case through data/workflow design, prototyping, model integration, testing, deployment and iteration.
- Founded Tuutta and Sayfixly; designed multimodal, RAG and workflow-automation systems with permissions, privacy, security, observability and human review built in.

Deakin University
SEP 2023 — MAY 2025

AI & Machine Learning Researcher — Learning Systems & Assessment Automation

- Researched AI/ML approaches for assessment automation, evaluation, feedback, intelligent tutoring and personalised pathways.
- Applied NLP, generative AI, RAG, embeddings and multimodal workflows to product concepts and prototypes that evolved into Tuutta.

Holmesglen Institute
JUN 2025 — PRESENT

Education Manager — IT Programs / Manager, International Projects

- Lead IT, AI, software-development and digital-technology program strategy, delivery and capability uplift.
- Translate complex operating, compliance and workforce requirements into implementable systems, learning pathways and improvement programs across local and international partners.

HammondCare
NOV 2021 — JUL 2023

Lead Learning Systems Specialist

- Led enterprise learning-system optimisation, automation, reporting and integration work for a national clinical and operational workforce.

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SELECTED EXPERIENCE, PRODUCTS & CREDENTIALS

Earlier experience

Steadfast Group — JAN 2021 — SEP 2021
eLearning Developer

- Designed accessible digital learning for professional, regulatory and compliance training; partnered with subject-matter experts through review and deployment.

Chisholm Institute (TAFE) — JAN 2020 — DEC 2020
Learning Designer

- Created VET-aligned blended resources, curriculum and assessment support, LMS experiences and continuous-improvement solutions.

Additional deployed AI products

Pipixer — Mobile AI video studio joining **2-camera capture** with picture-in-picture composition, enhancement, captions and editing. pipixer.com

RenoYao — AI renovation platform connecting **5 delivery stages**: discovery, estimates, design, provider coordination and project delivery. renoyao.netlify.app

Research — Co-authored work exploring GAN-based approaches to automating summative and creative-task assessment, creating a research foundation for later AI learning products. Repository

Education & credentials

Master of Information Technology University of Ballarat · 2014	**Postgraduate Diploma, Information Systems** University of Ballarat · 2013
Certificate IV in Training & Assessment Campaspe College · 2012	**Google Cybersecurity Professional Certificate** Google · 2024
Diploma of Business SELMAR Institute · 2010	**Diploma of Multimedia** Cambridge College · 2008

Technology & platforms

Models & AI: OpenAI · Gemini · Claude · Llama · Azure AI · RAG · embeddings · vector search · NLP · multimodal · speech-to-text · vision · prompt engineering
Application engineering: React · TypeScript · Next.js · Node.js · NestJS · Firebase · PostgreSQL · Python · SwiftUI · AVFoundation · REST APIs · GitHub
Architecture & delivery: authentication · data modelling · cloud functions · offline mobile · CI/testing · deployment · monitoring · privacy · human-in-the-loop governance
Domain platforms: Brightspace · Moodle · Canvas · Totara · Workday Learning · aXcelerate · Power Platform · Copilot Studio

References and detailed employment history are available on request.