

Mohammed Aman khan

LinkedIn: [linkedin.com/in/mackhan007](https://www.linkedin.com/in/mackhan007)

Github: github.com/mackhan007

Email: mohdamankhan290@gmail.com

Mobile: +91-812-3831-926

Portfolio: portfolio.macky.in

TECHNICAL SKILLS

Languages:	Python, TypeScript, JavaScript, HTML, CSS, Dart (Beginner), Bash (Beginner)
Frameworks:	Fast API, Serverless, NodeJS, React, Redux Toolkit, Flutter, GetX
Tools:	DynamoDB, Firestore, PostgreSQL, Vespa DB, Kafka, Docker, kubernetes (Beginner), GIT
Platforms:	AWS, Firebase, GCP (Beginner), GitLab CICD (Beginner), Jenkins (Beginner)
AI Skills:	Azure Open AI, Gemini, Agentic orchestration frameworks, Retrieval-Augmented Generation (RAG)
Soft Skills:	Leadership, Ownership, Documentation, Architecture, Tech awareness

EXPERIENCE

- Juspay** Bangalore
Software Development Engineer *November 2024 - Present*
 - Cost Observability:** Built a Cost Observability tool for businesses using **IC++** pricing plans to monitor and optimize card payment costs, providing unified visibility into fees and detecting anomalies.
 - Engineered an AI-powered engine to detect anomalies in payment data, identify root causes, and generate actionable insights, which helped reduce card processing costs by up to 10% compared to previous quarters.
 - Scaled the application to support thousands of users by leveraging internal microservices and AWS EKS for high availability, achieving a 99.9% uptime.
 - Developing an AI chatbot which works on an agentic framework that orchestrates between multiple tools, leveraging Vespa DB for Retrieval-Augmented Generation (RAG) and the backend OpenAPI for handling user-specific queries enabling concrete, context aware responses.
- Softway** Bangalore
Software Engineer II *August 2022 - November 2024*
 - Culture+ Counter:** An application that uses surveys and data analysis to help businesses improve their culture.
 - Cultivated workers to process data in the background using a DynamoDB trigger, cutting survey submission latency by 30%.
 - Connected AWS AppSync into the existing Serverless application, which reduced 70% of manual work during production deployment.
 - Implemented Cognito for user authentication and managing user-specific data, which increased data operations security by 60%.
 - Created a ranking algorithm (a blend of pairwise ranking and KMeans) for generating insights, which produced 60% of the product's unique selling point (USP).
 - Optimized code by formatting the payload and response in the middle layer using Axios interceptors with React.
 - Culture+ Admin:** A Culture+ Suite product, a Customer Relationship Management (CRM) application.
 - Created an application from the ground up to onboard clients and allocate products, leading to a 20% increase in revenue.
 - Reduced login time by 55% by adding third-party and Single Sign-On (SSO) logins into the server-side application (IDP) for user authentication.
- Baliza** Remote
Software Engineer *August 2021 - May 2022*
 - Velor:** An application for monitoring babies that broadcasts live video over the internet.
 - Developed an internet streaming and video calling feature within the Flutter application using Connectycube, which boosted video quality by 80%.
 - Engineered encoded messages to create product USPs, such as Start/End video recording and Play Lullaby, which increased business evaluation by 20%.
 - Fused the application with a real-time Firebase database for instant communication, which reduced latency for action requests by 90%.

PROJECTS

- Samantha:** An AI-driven voice assistant that learns on the fly and carries out tasks.
 - Built a module using Keras DNN (deep neural network) and NLP (natural language processing) for communication, which accounted for 60% of the project's functionality.
 - Connected speech recognition and pyttsx3 for voice-over communication with the application, using multi-threaded concepts for optimal performance.
 - Enabled on-the-go learning phrases, which contributed to 10% of the project's USP.
 - Programmed a module using device listeners (keyboard, mouse, etc.) to record events serially and automate operations, which achieved 30% of the project's USP.

EDUCATION

CMR INSTITUTE OF TECHNOLOGY
Bachelor of Engineering in Computer Science

Bengaluru, India
July 2018 - July 2022