

SAMAN JAMIL

Associate Software Engineer

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PROFESSIONAL SUMMARY

Computer Science graduate from FAST University with 1+ years of software development experience specializing in **full-stack web development**, **REST API integration**, **AI/ML applications**, and **AI automation workflows**. Proven track record building scalable applications using **React.js**, **Node.js**, and **Python** with strong database management skills. Experienced in **agile development**, **Git workflows**, and collaborating with cross-functional teams. Expertise in **n8n workflow automation**, **vector databases**, and **AI-powered chatbots** for streamlining business processes. Passionate about **AI technologies** and eager to contribute to innovative supply chain solutions.

CORE SKILLS

Programming:

JavaScript, Python, Java, Kotlin, C++, GoLang

Frontend Development:

React.js, Angular, HTML5, CSS3, UI/UX Design

Backend Development:

Node.js, Express.js, REST APIs, Flask

Automation Platforms:

n8n, Bubble.io, WeWeb, Zapier-compatible workflows

Databases:

MongoDB, Firebase, PostgreSQL, SQL

AI/ML Technologies:

TensorFlow, OpenCV, Mediapipe, Computer Vision

DevOps & Tools:

Git, GitHub, AWS CI/CD, Docker, JIRA, Postman

PROFESSIONAL EXPERIENCE

Software Engineer | Quixas Technology Ltd.

Aug 2024 – Present

- Develop scalable web and mobile applications using modern frameworks and low-code platforms
- Built and integrated REST APIs** for seamless application functionality and performance optimization
- Collaborate with **cross-functional teams** in agile sprints to design and implement scalable solutions
- Enhance user experience through custom workflows, UI components, and automation
- Conduct comprehensive **debugging, troubleshooting, and QA testing** to ensure high-quality software delivery

Android Developer | Terafort Ltd.

Dec 2023 – Jun 2024

- Developed and maintained Android applications using **modern development practices**
- Implemented **RESTful API connections** to backend services for data management
- Applied **MVVM architecture patterns** and utilized advanced Android SDK features
- Worked with **database integration** using Firebase and local storage solutions

Web Application Developer Intern | Chakor Software

Jul 2023 – Oct 2023

- Developed **low-code & AI-assisted full-stack solutions** using Bubble.io, WeWeb, and custom JavaScript
- Led capstone project** with live chatbot integrated into company product dashboard
- Practiced **QA testing, version control, and agile development methodologies**

EDUCATION

Bachelor of Computer Science

2019 – 2023

National University of Computer and Emerging Sciences (FAST)

CERTIFICATIONS

- AWS Fundamentals for Istio by Solo.io** | Solo.io 2023
- Web Development and Designing** | The Sparks Foundation 2023

KEY PROJECTS

AI-Powered Company Chatbot | n8n Workflow Automation

Technologies: n8n, OpenAI GPT, Pinecone Vector Store (RAG), Google Drive API

- Built intelligent **company chatbot** using n8n workflows with **Retrieval-Augmented Generation (RAG)** architecture
- Integrated **Pinecone vector database** for efficient document storage and semantic search capabilities
- Implemented **Google Drive integration** for automatic document processing and embedding generation
- Created **multi-agent system** with specialized AI agents for different company functions

Customer Onboarding Automation | n8n AI Agent

Technologies: n8n, OpenAI Models, Vector Store Tools, Document Processing

- Developed **automated customer onboarding system** using n8n with AI-powered document analysis
- Built **intelligent document processing pipeline** with vector embeddings for customer data extraction
- Implemented **workflow automation** reducing manual onboarding time by 70%

RAG Fashion AI Agent | Document Intelligence System

Technologies: n8n, OpenAI Embeddings, Vector Database, Fashion Analytics

- Created **fashion-focused AI agent** with specialized knowledge base using RAG architecture
- Integrated **document embeddings** for fashion trend analysis and recommendation generation
- Built **automated workflow** for processing fashion-related queries and generating insights

Live Chatbot Automation | Low-Code Integration Platform

Technologies: Bubble.io, Custom JavaScript, API Automation

- Developed and **deployed automated chatbot solution** using low-code platform with custom scripting
- Integrated with company dashboard** through automated API workflows and real-time communication
- Successfully delivered as **capstone automation project** with 24/7 operational capability

Jannat Noor Pharmacy System | Desktop Application with AI Analytics

Technologies: Python, PostgreSQL, Tkinter

- Custom-built **inventory and sales management system** with barcode scanning functionality
- Implemented **light theme UI** and comprehensive **report generation** features
- Designed with **AI analytics plans** for future data insights and optimization

Idra'ak (Final Year Project) | AI/ML Sign Language Translator

Technologies: Python, TensorFlow, OpenCV, Mediapipe, Android Studio

- Built **AI-powered Android application** that translates Urdu Sign Language to text and audio
- Integrated **TensorFlow models** with **Flask backend** for real-time video processing
- Utilized **Computer Vision** and **Machine Learning APIs** for accurate translation

Under3 Mobile App | Early Childhood Care Platform

Technologies: Firebase, Kotlin, Machine Learning APIs, WeWeb

- Developed **trauma-informed mobile application** with **ML screening features**
- Implemented secure data management for **supporting parents** with children under 3

VeteranMeet Social Platform | Full-Stack Web Application

Technologies: React.js, Node.js, Express, MongoDB

- Developed dynamic social platform with user authentication and real-time features
- Implemented comprehensive **database management** and **REST API integration**

Flash Alert on Call | Accessibility Android App

Technologies: Kotlin, Android Studio, Notification APIs

- Created Android app for **flashlight notification system** for incoming calls/SMS
- Designed for **hearing-impaired users** with customizable flash patterns

ADDITIONAL QUALIFICATIONS

- Automation Expertise:** Extensive hands-on experience with n8n workflows, AI agent integration, and automated business process optimization
- Cloud Infrastructure:** Proven experience hosting and managing microservices with scalable, secure, and maintainable architecture
- Custom Scripting:** Advanced proficiency in Python and JavaScript for automation purposes, including API integrations and workflow customization
- Low-Code/No-Code Platforms:** Demonstrated expertise in rapid deployment using modern automation platforms and AI-powered solutions
- Beyond Traditional ML:** Focus on practical AI automation applications rather than pure machine learning, emphasizing business value and workflow optimization
- Cross-Functional Collaboration:** Successfully worked with distributed teams to implement automation solutions aligned with business objectives

INTERESTS

AI Automation • Workflow Optimization • n8n Development • Cloud Infrastructure • Low-Code Platforms • Process Automation

AWARDS & ACHIEVEMENTS

- Led successful capstone project** at Chakor Software with live chatbot deployment
- AI/ML expertise** demonstrated through multiple computer vision and machine learning projects
- Full-stack development** across web and mobile platforms with modern frameworks