

Faiza Aziz Khan

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Full Stack Developer - Gen AI Developer

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PROFESSIONAL SUMMARY

Full-Stack Developer with 15+ years of experience designing, building, and deploying scalable web applications and AI-powered solutions. Skilled in MERN, Generative AI, RAG (Retrieval-Augmented Generation), FastAPI, and cloud-native development. Experienced in leading cross-functional teams, mentoring developers, and delivering high-quality software using Agile methodologies. Alongside product engineering, I have contributed to Pakistan's tech ecosystem through large-scale developer training in major national IT programs, helping learners build industry-ready technical skills. Recognized for improving development processes, optimizing performance, and driving innovative solutions in fast-paced environments.

NOTABLE ACHIEVEMENTS & RECOGNITION

- Recognized as one of the **Top 3 Pakistani women and Top 10 in Pakistan** to earn the **Certified Kubernetes Application Developer (CKAD)** certification from The Linux Foundation (2019).
- Appointed the **first female Lead Web & Mobile Development Trainer** at Saylani Mass IT Training (SMIT), where I trained and inspired **thousands of students nationwide**, significantly contributing to female participation in Pakistan's IT industry.
- Selected for the prestigious **Presidential Initiative for Artificial Intelligence & Computing (PIAIC)**; promoted to **Teacher Assistant** in the first quarter and continued assisting for **four consecutive quarters** due to outstanding performance.
- Received a certificate and award as a **top-ranked student in PIAIC**, presented by the **President of Pakistan, Dr. Arif Alvi**.
- **Served as a judge** for Final Year Projects (FYPs) at **Jinnah University for Women (JUW)** multiple times, evaluating capstone projects and mentoring BS(CS) students on industry standards.
- Invited speaker at a **virtual Women-in-Tech Meetup** by **Jinnah University for Women (JUW)**, delivering a talk on "**Full-Stack Developer Career Path**", empowering aspiring female engineers to pursue software development careers.
- Featured as a **PIAIC student success story** on YouTube ([Video link](#)).
- Participated in a **high-profile meetup** with Pakistan's leading technology and innovation figures, including **Tania Aidrus, Aamir Pinger, Daniyal Nagori, Zia Khan (Tamgha-e-Imtiaz)**, and **Faysal Aziz Khan**, contributing to discussions on Pakistan's future digital workforce.
- Served as **Lead Trainer at Jawan Pakistan (2021)**, delivering professional training in full-stack development and guiding students toward job-ready skills.
- Recognized as a **national-level mentor and role model** for women in technology, having inspired and guided **thousands of female students**

across Pakistan toward careers in software engineering, cloud computing, and AI.

WORK EXPERIENCE

Software/Gen AI developer— *Link4 Corporation*

May 2024 - Present

- Introduced and led AI-powered solutions, including a smart chatbot with voice command features, improving customer support efficiency.
- Implemented process improvements by analyzing workflows and upgrading software solutions.
- Led DevOps team to enhance scalability, reducing downtime and improving deployment speed.

Lead Web Development(MERN) Trainer— *SMIT*

Jun 2021 - 2024

- Trained students in MERN stack and Generative AI technologies, preparing them for industry standards and coding best practices.

Senior Full Stack Developer— *Groupshop.co* (Mern stack with latest tools and Gen AI)

Mar 2022 - Apr 2024

- Built AI tool with openAI/Gemini with different tools like(exa, tavily, perplexity, SERP)
 - User can upload excel sheets with data and generate data with the help of an AI
 - User can generate data lists in blank sheets
 - User can generate leads
- Layout structure of an app by deciding which stack to follow
- Reviewed code, debugged problems, and corrected issues.
- Used NestJs, Type ORM, TypeScript and GraphQL to develop and manage databases.
- Boosted scalability and load balancing by using AWS services (Amplify, S3, EC2, Elastic Beanstalk, Code Pipeline)
- Provided agile methodology and used JIRA for software development lifecycle.
- Collaborated with fellow developers to evaluate new features and code refactoring.

Senior React Developer— *Finosys Pvt Ltd*

Dec 2020 - Feb 2022

- Worked on React API integration

- upgrading running react application by using react saga
- writing react tests by using Cypress

Web Developer (Php, JS)— *DigiInfra*

Aug 2017 - Oct 2020

- Working on in-house React and Node.js projects
- Customized woocommerce templates
- Customized wordpress plugins and themes
- Worked in PHP5 projects

WordPress Developer— *Ingenious Communication*

Mar 2012 - May 2017

- Responsible of making widgets and coupon related plugins
- Customized woocommerce templates
- Customized wordpress plugins and themes

PHP Developer— *Pakservice Solutions*

Aug 2007 - May 2011

- Built new features in PHP
- Improved existing websites with SEO friendly development
- Maintained websites in custom PHP

CERTIFICATES

Foundations of Project Management by Google (coursera) - Dec- 2024

AI for EveryOne (coursera) - Aug- 2022

Cloud Native and Mobile Web Computing Course(PIAIC) - 2019 - 2021

Certified Kubernetes Application Developer (Linux Foundation) - 2019

EDUCATION

MCS — *University of Karachi*

Jan 2007 - Dec 2007

One year masters program offered by University of Karachi in Computer Science.

BCS — *University of Karachi*

Jan 2003 - Dec 2006

3 Years Bachelors Program in Computer Science.

SKILLS

Programming & Frameworks: React Js, Next Js, Python, fastApi, Gen AI, TypeScript, NodeJs, NestJs, PHP

AI/ML: Generative AI (OpenAI, Gemini), LangChain, Exa, Tavily, Perplexity

DataBases: MongoDB, PostgreSQL, MySQL

Tools and Methodologies: Agile, Jira, Asana, trello, Prisma, Confluence, loom

Version Control: Git, Github, Bitbucket

Cloud and DevOps: AWS (S3, Elastic beanstalk, code pipeline, amplify), Docker, Kubernetes, Linux

LANGUAGES

English fluent (PTE 78 score), Urdu

PROJECTS

Chatbot with voice command — *Open source project*

(fastAPI and webRTC in React)

<https://github.com/fazzyA/voice-ai-chatbot-fastapi-webrtc>

Real-time voice-enabled GenAI chatbot using FastAPI, WebRTC, and OpenAI. Demonstrates low-latency audio streaming, AI response generation, and cloud-native deployment architecture.

Custom data generator in spreadsheet AI tool — *Open source project*

(GEN AI with latest tools) <https://workroom.bot>

Created AI-powered tool, built using OpenAI/Gemini and integrated with tools like Exa, Tavily, Perplexity, and SERP, helps users generate smart data from Excel files. Upload spreadsheets, create data lists in blank sheets, and even generate leads effortlessly. Users can share their worksheets and access advanced features through integrated payment plans—streamlining data tasks with intelligent automation.

1. <https://workroom.bot/>

Shopify App for Merchants and Customer — *Groupshop*

(Mern stack with latest tools)

Created a shopify app with a custom merchant dashboard and store page with GraphQL n typescript, having Next js for frontend and Nest on backend. Deployed on AWS CodePipeline, handling more than 10,000 products and orders, improving merchant operations efficiency.

- 1.

<https://app.groupshop.co/groupshopdrops/drops/R1NEMTcwNTAxNzYxOTA5OTM4NTA=>

Darsi.pk- Ecommerce Multi vendor website,

(Mern stack with latest tools)

- Developed a full-stack multi-vendor e-commerce platform using MongoDB, Express, React, and Node.js (MERN stack).
- Built admin dashboard, vendor dashboard and referral dashboard with role-based access controls.
- Implemented multi-level marketing features to enhance vendor engagement and sales.
- Designed customer login, order history tracking, and a seamless purchasing workflow to improve user experience.

<https://darsi.pk/>

BMCS - Truck Washing Routing app

(Mern stack with latest tools)

Developed a full MERN stack company project. Washer truck and customer routes tracking app.

<https://bmcs-fs.herokuapp.com/>