

# Aaqil khan *Software Development Engineer*

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## 💡 Summary

A versatile Software Engineer with hands-on experience in Full-Stack Development, Cybersecurity, and Artificial Intelligence. I specialize in designing and deploying secure, scalable, and high-performance systems using Dockerized microservices and modern AI frameworks. Passionate about building innovative solutions from the ground up in agile environments with a focus on bridging performance and privacy.

## 🧰 Professional Experience

### Techdome Solutions Pvt. Ltd

05/2024 – Present

*Associate Software Development Engineer*

Indore

Led the end-to-end design, development, and deployment of six full-stack applications in a fast-paced Agile environment. Highlighted below are key projects demonstrating impact and technical breadth.

#### PROJECTS

##### 1. AI-Powered Mortgage Loan Platform.

**Stack:** React, Tailwind CSS, (RTK), Framer Motion, FastAPI, PostgreSQL.

**Key Achievements:**

- Architected and developed core frontend modules and a secure FastAPI backend, transforming the platform into a full-stack solution with a modular component library that cut development time by 40% and reduced data processing latency by 25%.

##### 2. AI-Powered Interview Platform.

**Stack:** React, RTK, FastAPI, PostgreSQL, Supabase, OpenAI API, Docker.

**Key Achievements:**

- Led the full-cycle development of an in-house AI interview platform—starting from code reviews to owning both frontend and backend architecture. Built a scalable FastAPI–PostgreSQL backend integrated with OpenAI’s GPT models to automate interview analysis, cutting candidate screening time by over 60%. Delivered a responsive React + RTK frontend for a seamless, real-time experience across users.

##### 3. Enterprise IoT Cybersecurity Platform.

**Stack:** .NET, Docker, PostgreSQL, Nginx, WSL, (Security Protocols: TLS, TOTP).

**Key Achievements:**

- Led security hardening for a large-scale, on-premise IoT solution by implementing multi-factor authentication with TOTP and enabling end-to-end TLS encryption for PostgreSQL and LDAP. Conducted in-depth vulnerability assessments and applied remediation strategies across containerized environments, reducing the attack surface by over 95%. Additionally, secured Nginx reverse proxies and hardened the WSL deployment to meet strict enterprise cybersecurity standards.

### My Contribution

- **Developed key features across web and mobile platforms**, including a full user search system (React, Node.js/Express) and the company's flagship mobile app (React Native) with short-form video, real-time chat, and content sharing—boosting reach and improving data efficiency by 30%.
- **Progressed from bug-fixing to mentoring**, guiding new interns on best practices and Git workflows. Enhanced UX with performance optimizations like loading states, leading to a 50% improvement in perceived page-load speed.

## Personal Projects

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### Stepper.ai

08/2025 – Present

*Ai chatbot to debug code step by step.***Stack:** Next.js, Tailwind CSS, FastAPI, Supabase, Neon DB (PostgreSQL)**Description:**

- **Built a full-stack AI-powered tutorial generator**, transforming single user prompts into interactive, step-by-step guides. Developed a responsive frontend with Next.js and Tailwind CSS, and a robust FastAPI backend to manage AI processing and data flow.
- **Integrated Supabase for authentication** and utilized Neon DB PostgreSQL for efficient storage and retrieval of tutorial content, ensuring seamless user experience and scalable data management.

### MyCerts

07/2025 – Present

*Secure Digital Certificate & Credential Hub***Stack:** Next.js, FastAPI, PostgreSQL (Planning migration to a Blockchain backend for enhanced verification)**Description:**

- **Developed a full-stack certificate management portal** enabling professionals to securely share and verify credentials with recruiters. Implemented a login-based system for uploading, managing, and generating unique shareable links for certifications.
- **Built a responsive React frontend** for seamless user experience and a robust backend API using Node.js and FastAPI to handle all CRUD operations and secure link generation.

### MyResumeAI

06/2025 – Present

*Intelligent Resume Builder***Stack:** React, Gemini AI API, Tailwind CSS, PDF Generation Libraries.**Description:**

- **Developed a client-side resume builder powered by Gemini AI**, enabling automatic parsing of user data to auto-fill resume fields—reducing manual entry time by over 90%. Users can generate polished, downloadable PDF resumes directly in the browser without any backend dependency.
- **Implemented a modern, responsive UI using React and Tailwind CSS**

## EDUCATION

### Medi-Caps University

B.Tech in Computer Science

08/2021 – 07/2024

Indore, India

Developed a strong foundation in core computer science principles, including Data Structures, Algorithms, Database Management Systems, and Object-Oriented Programming.

### Ujjain Polytechnic College, Madhya Pradesh

Diploma in Computer Science

08/2018 – 07/2021

Ujjain, India

Gained practical skills in software development fundamentals, computer hardware, and networking, providing a solid technical base for advanced studies.

## SKILLS

**Frontend** – React js, SvelteKit, Next js, Tailwind CSS, JavaScript, TypeScript, RTK Query, React Redux, Framer motion, HTML/CSS.

**Languages** – Java, Python, JavaScript, TypeScript, C#, SQL.

**Backend** – FastAPI, Express.js, Nest.JS, Node.js. (Learning: ASP .NET, Springboot).

**Mobile** – React Native.

**Databases** – PostgreSQL, MongoDB, MySQL.

**DevOps & Security** – Docker, Git, CI/CD, TLS/SSL, OAuth2, API security, Supabase.

**AI & ML** – Prompt engineering, AI logic, Basic analytics, AI API integration.

## HIGHLIGHTS & ACHIEVEMENTS

Architected secure, scalable microservices using containerization and CI/CD.

Enhanced app security via encryption, certificate handling, and secure authentication.

Integrated AI-based logic in resume builders, learning tools, and portfolio automation.

Delivered responsive, high-efficiency frontend modules under tight deadlines.

## Certificates

### The Fundamentals of SOC - Assessment

Aggregate: 100 / 100

Subjects: Cyber security ( 100 / 100 )

### Fundamentals of SOC(Security Operations Center)

Aggregate: 100 / 100

Subjects: Cyber security ( 100 / 100 )

## Interests

– Film & Comedy Enthusiast, Outdoor & Social Activities, Culinary Exploration.