Hamza Elahi

Software Developer
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SUMMARY

Software Developer and Computer Science student focused on **Information Technology** and **Computer Engineering**. Specialized in developing scalable web and IoT solutions using modern **programming languages** in **Agile development** environments. Technical expertise includes system architecture and data-driven optimization of engineering workflows.

EDUCATION

Ghulam Ishaq Khan Institute (GIKI)   Swabi, Pakistan
*BS in **Computer Science** (Specialization in Artificial Intelligence)*   *Sep 2023 – May 2027*

EXPERIENCE

Quecko   Islamabad, Pakistan
Frontend Developer (Part-time)   *Aug 2025 – Present*
- Spearheaded Frontend Architecture in an **Agile development** cycle, achieving a **30% improvement** in performance via code-splitting.
- Reduced technical debt by 15% by refactoring legacy logic and **coordinated a 5-person cross-functional team** to synchronize weekly sprint deliverables.
- Delivered **5+ production projects** on Upwork, achieving a **100% client satisfaction rating** through consistent technical execution.

Quecko   Islamabad, Pakistan
Frontend Developer Intern   *May 2025 – Aug 2025*
- Debugged and resolved **40+ high-priority tickets** using systematic **troubleshooting** protocols during rapid development cycles.
- Maintained a **100% on-time delivery rate** for high-traffic platform features while meeting strict production deployment windows.

KEY PROJECTS

Peky E-commerce   *Next.js, AWS Cognito, Tailwind, Railway, PostgreSQL*
- Engineered a full-stack authentication system with **AWS Cognito**, yielding a **20% increase** in secure registration throughput. pekypk.com   github.com/hamzabread/Peky
- Optimized user conversion by **12%** through **Server-Side Rendering (SSR)** and atomic real-time inventory synchronization.

IoT-Enabled Inventory System   *C#, .NET 9, Microservices, MQTT, PostgreSQL*
- Architected a real-time IoT backend using **Object-relational mapping (ORM)** via **EF Core**, reducing data persistence latency by **25%**.   github.com/hamzabread/InventorySystem
- Secured **99.9% system uptime** by implementing a microservices architecture to decouple hardware signals from core business logic.

Cambfordable: Live EdTech Platform   *Next.js, FastAPI, PostgreSQL, Zoom SDK, JWT*
- Developed a live-streaming platform supporting **50+ concurrent participants** via **Zoom SDK** with zero session interruptions.cambfordable.com github.com/hamzabread/cambfordable
- Identified and resolved API integration bottlenecks between video layers using advanced debugging and technical collaboration.

Smart Attendance System   *FastAPI, React Native, Face Recognition AI, Docker*
- Constructed a computer vision pipeline achieving **92% identity detection accuracy** to automate record-keeping for **200+ students**.   github.com/hamzabread/smart-attendance
- Reduced manual entry time by **80%** via a centralized **PostgreSQL** backend and automated reports.

TECHNICAL SKILLS

Programming Languages: C#, JavaScript (ES6+), Python, C++, SQL (Postgres)
Frameworks & Libraries: .NET Core, ASP.NET Web API, React, Next.js, FastAPI, Flask, MERN Stack
Tools & Methodologies: **Agile development**, **ORM**, **Troubleshooting**, Docker, Git, AWS, MQTT, Microservices
Core Competencies: Technical Leadership, System Architecture, Full-Stack Development, Data Persistence