BABER KHAN
FULLSTACK JAVASCRIPT DEVELOPER
Based in Birmingham, UK — open to relocation

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PERSONAL STATEMENT

I'm a full-stack JavaScript developer with a strong foundation in building, testing, and deploying real-world applications. After transitioning from a retail management role into software development, I've combined my dedication and leadership experience with technical precision to deliver robust solutions — from real-time messaging systems to full-featured news platforms. My most recent work includes a production-grade chat app using Node.js, React, MongoDB, and full TDD coverage, deployed as a monorepo to Render. I thrive in environments where clean architecture, teamwork, and user impact matter.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), Python, Dart
- **Frontend:** React 19, Tailwind CSS v4, HTML5, CSS3
- **State & Routing:** Zustand, React Router v7
- **Backend:** Node.js, Express v5, MongoDB (Mongoose), PostgreSQL
- **Real-Time:** Socket.IO, WebSocket
- **Testing:** Jest, SuperTest, TDD, MongoMemoryServer
- **DevOps:** Git, GitHub, CI/CD, Vite
- **Deployment:** Render, Netlify, Supabase, Cloudinary
- **Design:** Excalidraw, Figma
- **Practices:** RESTful API Design, Agile

SELECTED PROJECTS

Chatr — Real-time Chat App (Solo Project)
GitHub (Monorepo): github.com/baberlabs/chat-app

- Built with React 19, Zustand, Express v5, MongoDB, Socket.IO, and Tailwind v4
- Secure JWT auth via HTTP-only cookies; supports base64-encoded image uploads via Cloudinary
- Over 200 backend tests with Jest + SuperTest (mocked Cloudinary and in-memory MongoDB)
- Deployed as a single monorepo to Render with frontend statically served from backend

Baber's Reach — Reddit-style News App (Solo Project)
GitHub (Client): github.com/baberlabs/fe-nc-news
GitHub (Server): github.com/baberlabs/be-nc-news

- Built with React 18, Express v4, PostgreSQL, and Tailwind v3
- RESTful API with TDD, article voting, sorting, commenting, and pagination
- Prioritised accessibility and error handling for a smooth user experience
- Supabase (PostgreSQL), Render (backend), and Netlify (frontend)

Northchess — Multiplayer Chess Variant (Team Project)
GitHub (Client): github.com/henryloach/nc_abcs_boardgame_frontend
GitHub (Server): github.com/baberlabs/nc_abcs_boardgame_backend

- Built in Flutter with real-time gameplay using WebSocket
- Supported chess variants like edge wrap and horde
- Contributed to frontend/backend within an Agile sprint team

EDUCATION & TRAINING

Northcoders Software Development Bootcamp
(June 2024 - August 2024)

- JavaScript deep dive: closures, recursion, object-oriented + functional patterns
- Built and deployed full-stack apps using React, Express, and PostgreSQL
- Test-driven development with Jest and SuperTest
- Real-time functionality with WebSocket
- Agile collaboration with Git, GitHub, CI workflows

Level 3 Diploma in Computing
Birmingham Metropolitan College, UK (2016 — 2017)

EXPERIENCE

Assistant Manager — HRS News Ltd, Birmingham
(May 2022 - May 2024)

- Managed operations, staff training, and inventory
- Led transition to a new EPOS system with technical onboarding
- Strengthened leadership, problem-solving, and accountability

PERSONAL INTERESTS

I enjoy reading Xianxia and Xuanhuan fantasy novels and exploring fanfiction across expansive worlds like Harry Potter, Swallowed Star, Naruto and One Piece. I also sketch and create character-driven visual art as a form of focused creativity.