Efe Katircioglu

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About

Penultimate year Computer Science student at King's College London, specializing in full-stack development. Driven to solve meaningful, real-world problems by building user-centric applications, focusing on designing and implementing scalable and secure server-side architecture.

Education

King's College London   Expected Graduation date: June 2027
Bachelor of Science, Computer Science

King's College London   June 2024
International Foundation, Computer Science & Mathematics
Achieved First-Class Honours

Experience

King's Labs Academy | Project Developer   February 2025 - April 2025

• Engineered a full-stack Next.js app with NextAuth-based user authentication. Developed custom API endpoints to manage user-specific tasks on a serverless Neon PostgreSQL database, ensuring complete data isolation.

Projects

Vibe Generator | Full-Stack Music Analytics Web App   June 2025 - September 2025

• Built a full-stack security system using Spotify OAuth 2.0 for authentication and JWTs for session management, achieving secure, stateless user sessions and complete data privacy via an encrypted PostgreSQL database.

• Leveraged Node.js to engineer a batch processing system that aggregates data from 6+ music APIs, achieving a 23x performance improvement through optimized asynchronous data fetching logic.

• Developed and deployed a responsive, mobile-first frontend with Next.js, managing the application's lifecycle and ensuring high availability on cloud infrastructure with PM2

Certificates

Web Development Bootcamp - Udemy   November 2024 - June 2025

• Full-stack web Developer Certification
• Experience in HTML, CSS, JavaScript, Node.js, React, PostgreSQL, Web3, and DApp development.
• Experience building and testing responsive websites using React and Node.js.
• Focused on modern technologies like Web3 and DApps to stay aligned with industry trends.