

# KAI YI JI

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## Professional Summary

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Detail-oriented Full-stack Developer with expertise in developing scalable web applications and a strong focus on payment systems and AI integration. Proven ability to lead projects, mentor junior developers, and implement efficient solutions.

## Experience

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### Full-stack Developer

Aug 2023 – Present

*Magic Square Systems*

- Engineered Stripe/PayPal payment workflows processing 10k+ monthly, achieving 99.95% uptime.
- Led development of an AI-powered Blazor app, reducing user query resolution time by 40%.
- Automated background tasks with Hangfire, saving 15 hours/week in manual processing.
- Migrated legacy VB.NET to .NET Core, improving API response times by 30% and reducing server costs.
- Developed a fully functional simulated social media web app with advanced AI features and CI/CD.

### Full-stack Developer

Mar 2023 – Apr 2024

*Leyuan*

- Developed APIs with ASP.NET MVC and Razor Pages, enhancing authentication processes with ASP.NET Identity.
- Managed SQL Server and optimized data access using Entity Framework Core for a restaurant website.

## Education

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### Bsc. Computer Science, First-Class Honors

2020 – 2023

*University of Birmingham*

## Technical Skills

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**Languages:** Java, C#, JavaScript, Python, SQL

**Frameworks:** Blazor, ASP.NET Core, React, Node.js, FastAPI

**Tools:** AWS, Google Cloud Platform, Docker, Jenkins, Git

**Databases:** PostgreSQL, MySQL, MongoDB

## Projects

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### Trado

*Full-stack trading platform*

Developed a trading platform with stock tracking, portfolio management, and buy/sell simulation using FastAPI and Next.js.

### GeoQuiz

*Team-led quiz app*

Created a quiz application featuring CI/CD, secure login, and deployment using Node.js, Express.js, and MongoDB.