

Methran G.

Website: methran.dev

GitHub: github.com/methran1304

Based in the UK — Full rights to work in the UK

Email : g.methran@gmail.com

Mobile : (+44) 7423 016 974

LinkedIn: linkedin.com/in/methran

EDUCATION

- **University of Liverpool** Liverpool, United Kingdom
Master of Science in Advanced Computer Science; Grade: Distinction *Sep. 2024 – Sep. 2025*
- **Sri Krishna Arts and Science College** Coimbatore, India
Bachelor of Science in Computer Technology; Grade: First Class *Sep. 2020 – Sep. 2023*

EXPERIENCE

- **Kovai.co (London HQ)** Coimbatore, India
Software Engineer *May 2023 – May 2024*
 - Contributed as a full-stack engineer to Document360, enhancing the Angular frontend and .NET backend to deliver a faster, more reliable, and secure platform for enterprise customers.
 - Upgraded authentication library from Identity Server 4 to Duende Identity Server, improving API performance by 20%, streamlining key rotation, and mitigating potential security vulnerabilities.
 - Improved API performance by introducing controlled parallelism and asynchronous request handling, reducing response times and increasing throughput under load.
 - Built a custom middleware for dynamic authentication provider registration, enabling hot-swappable SSO configurations without app restarts and eliminating the need for Duende's Enterprise license, saving £20,000 in annual recurring costs.
 - Implemented Redis Pub/Sub caching, reducing SQL Server load by 15% across multiple app instances and improving request throughput.
 - Delivered zero-downtime deployments through Blue-Green CI/CD pipelines in Azure DevOps, increasing release reliability and reducing deployment risk.
 - Collaborated in Agile teams with QA, product designers, and product managers to deliver business-aligned features on schedule.
- *Software Engineer Intern* *May 2022 – May 2023*
 - Optimised email template generation by storing templates as markup files with placeholders instead of database entries, cutting database usage by 5% across environments.
 - Introduced NgRx state management to replace custom logic in key modules, reducing low-severity UI bugs by 30% and improving maintainability.
 - Refactored the User ACL module using Entity Framework (code-first migrations), simplifying schema design and reducing database utilisation.

PROJECTS

- **Git-Backed Headless CMS (Live Site)**
Angular 20, Tailwind CSS, Node.js, GitHub REST API, Vercel Functions
 - Built a Git-backed content workflow where Markdown posts stored in GitHub are parsed with Gray-Matter and served through Node.js APIs for an Angular-based SPA.
 - Developed the Markdown rendering layer with ngx-markdown and marked.js, adding anchor navigation, dynamic slug routing, and shareable deep links for seamless content browsing.
- **Verbatim (Live Site)**
.NET 9, Angular 19, MongoDB, SignalR, FastAPI, Gemini GenAI
 - Built a full-stack typing platform with adaptive drills and real-time multiplayer, using fuzzy-matching logic to generate word sets similar to users' common mistakes, resulting in fewer typing errors.
 - Integrated Gemini 2.5 Pro to analyse cumulative typing data and generate personalised insights and feedback, helping users improve typing speed by 15% on average during beta testing.

PROGRAMMING SKILLS

- **Languages:** C#, C++, TypeScript, JavaScript, Python, HTML5, CSS3 **Databases:** SQL Server, MongoDB
- **Technologies:** .NET, Angular, Node.js, FastAPI **Tools & DevOps:** Git, Azure, CI/CD Pipelines, Postman