

RAKESH NANDAKUMAR

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Executive Summary

An experienced Enterprise Systems Architect and Full-Stack Developer, specializing in building scalable, in-house platforms and complex, multi-company business systems and modernize legacy systems. With over 4+ years of hands-on experience, I have delivered high-performance solutions for government institutions, international organizations, startups, and freelance clients. I design and own clean, maintainable system architectures across the full stack, confidently working with modern technologies such as .NET, React, Laravel, and related ecosystems. In parallel, I lead and mentor development teams by designing the core architecture and development environments, enabling efficient collaboration while providing continuous technical guidance throughout planning and execution. I also work closely with marketing teams to implement advanced SEO and lead-generation strategies, ensuring technical platforms drive measurable business growth.

Let's build something amazing together.

PROFESSIONAL EXPERIENCE

Upali Group of Companies Technical consultant

SEPT 2025 - PRESENT

Upali Group of Companies is a product-led conglomerate where I work extensively on designing and building in-house enterprise ERP systems and internal platforms across multiple group companies.

- Managed the end-to-end development of the kandos.lk platform, managing a team of developers.
- Collaborated with the marketing team to implement SEO strategies and lead campaigns, ensuring the platform drives business growth and captures leads.
- Planned the design and deployment of a full-scale, microservices-based ERP system for group-wide payroll and internal communication, hosted on on-premise physical servers.
- Managed requirement gathering from stakeholders, approving Change Requests (CRs), and conducting comprehensive user training.
- Consistently deliver clean, scalable solutions by translating complex business puzzles into structured technical tasks and robust architectural solutions

Procons Infotech Software Engineer

SEPT 2024 - NOV 2025

We design and develop various web and Enterprise level software solutions for various government contracts

- Developed countless web apps with Laravel, React, JQuery and Bootstrap css using agile methods.
- Built multi-vendor SaaS solutions with EC2 and storage services like S3 using AWS
- Collaborated with web, WordPress, and mobile teams for integrated solutions.
- Implemented multiple end-to-end fullstack software solutions as a solo developer, owning the full lifecycle from system architecture and development through deployment..
- Joined daily stand-ups and weekly sprint reviews for project progress.
- Implemented back-end systems for various business needs..
- Mentoring and user training Government sector clients

Webrubix IT Consulting Canada Full Stack Developer

2023 NOV - AUG 2024

We design and develop web and software solutions for foreign a clients base (Canadian)

- Worked on multiple platforms based on ASP.NET core. Worked on a multi vendor application.
- Developed front-end features using React js, Tailwind, and React Native.
- Implemented REST APIs and ensured seamless integration with backend services.
- Maintained version control using Git and collaborated with the team through regular code reviews.
- Delivered clean, efficient, and well-documented code, enhancing application performance and security.

Freelancing

2023 FEB - PRESENT

Software developer

- Technical Consultant
- Full Stack Web Application Development
- Enterprise Level System Development
- Full Stack Mobile App Development (React Native)
- Chrome Extensions Development

EDUCATION

BSc (Hons) in Computer Science

Staffordshire University UK

Diploma in Computer Science

Asia Pacific Institute of Information Technology

TECHNICAL SKILLS

FRAMEWORKS / LIBRARIES

Laravel

- Strong experience in Laravel versions.
- Strong experience in Laravel Plugins and Eco System (**Livewire, Filament php, Jetstream**, etc)
- Strong understanding of server-side template languages such as **Blade**.

Next JS

- Strong experience in Next.js versions and ecosystem (**App Router, Prisma, React Server Components**). Strong understanding of **server-side rendering (SSR), client-side rendering (CSR)**, and **API routes**.

ASP.NET Core

- Experienced in .NET versions and ecosystem (**ASP.NET Core, Entity Framework**, etc.).
- Strong understanding of server-side development, including **MVC** architecture, **RESTful APIs**, and **Razor Pages**.

AWS

- Strong experience in deploying scalable applications using **EC2** (including VPS setups) with **Load Balancing (ALB/ELB)** for **high availability**
- Skilled in optimizing performance across services with monitoring and auto-scaling solutions

wordpress

- Strong experience in building **Content Management Systems (CMS)** with stunning UI/UX Skilled in undertake proper **SEO Measures** for maximum public visibility

DATABASE

No SQL

- Skilled in managing **collection-based databases**, like **MongoDB**
- Proficient in working with **real-time databases**, such as **Firebase**.

SQL

- **Expert** in **data modelling** and SQL implementations individual business needs
- High experience with **MYSQL, MS-SQL, PostgreSQL, MariaDB**, and **SQLite**

FRONT-END / UI

HTML / CSS / JavaScript/ JQuery

- Strong foundation on front-end technologies, such as **HTML 5, CSS 3, JavaScript** and **JQuery**
- Understanding of **industry best practices**.

React JS / Vue JS / Alpine JS

- Strong Understanding of various **JavaScript Frameworks** and **its core principles** such as **DOM Manipulation** etc
- Strong Understanding of **Component Based A**

Tailwind / Bootstrap / SASS

- Strong knowledge of web frameworks like **Tailwind CSS, Bootstrap**, etc
- Strong understanding of server-side CSS pre-processors like **SASS**.

Mobile App Full Stack Development

- Strong experience in developing **Restful APIs** to support mobile applications.
- Strong experience in developing **Mobile First PWAs**
- Some Experience in developing cross-platform applications based on technologies like **React Native**, etc.

OTHER LANGUAGES & TECHNOLOGIES

Python, Java, C#, C++, C, Node.js, Materialize, jQuery, Flutter,, FireBase Ubuntu, Linux, Git, Docker, API Gateways, GitHub, WordPress, Figma, Canva, Forge, Bubble.io

SOFT SKILLS & PROFESSIONAL COMPETENCIES

- **Technical consulting & client advisory** – Act as the primary technical advisor to product, SaaS and enterprise clients; convert business strategy into clear technical roadmaps that prioritize value, reduce risk and accelerate time-to-market.
- **Cross-functional leadership & delivery** – Lead designers, engineers, QA, ops and third-party vendors to deliver integrated solutions on time; remove blockers and ensure a single accountable delivery path.
- **Enterprise architecture & systems thinking** – Engineering end-to-end architecture for ERP, BI, logistics and finance systems; design scalable, maintainable platforms that prevent technical debt and enable predictable growth.
- **Stakeholder management & governance** – Drive requirement capture, CR approvals and executive decisioning across product owners, senior management and government clients to keep projects on course.
- **Legacy modernization & migration strategy** – Architect phased, low-risk migration plans (bridges, strangler patterns, incremental refactors) that preserve continuity while accelerating modernization – avoiding costly failures.
- **Project planning, estimation & risk control** – Produce realistic scopes, Gantt/estimation artifacts and risk-based priorities; own delivery tradeoffs and keep implementations within agreed constraints.
- **Mentoring, code review & team enablement** – Raise team capability through hands-on mentoring, structured code reviews, standards and onboarding that convert juniors into reliable contributors fast.
- **Requirements analysis, R&D & problem framing** – Extract minute user needs, run focused technical research, and propose pragmatic, testable solutions rather than speculative designs.
- **Client-centric product thinking** – Design client workflows and APIs that make the product simpler for users while absorbing complexity on the platform side – pragmatic UX that reduces support and increases adoption.
- **Regulatory compliance & government delivery** – Deliver compliant solutions for government and regulated clients; fluent in procurement constraints, acceptance criteria and audit readiness.
- **Communication & negotiation** – Present clear technical tradeoffs to non-technical stakeholders, negotiate scope and timelines, and secure alignment without losing engineering integrity.
- **Quality advocacy & observability** – Enforce code quality, testing discipline and production monitoring to prevent outages and drive continuous improvement.

LINKEDIN

<https://linkedin.com/in/rakesh-nandakumar>

GITHUB

<https://github.com/rakesh-nandakumar/>

MY PORTFOILO WEBSITE

<https://rakeshn.com/>
