

UPANI AYANGA LOKUSURIYA

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Personal Portfolio: <https://upani-ayanga.vercel.app/>
Github: <https://github.com/UpaniAyanga>
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PROFILE SUMMARY

Full Stack Software Engineer with 3 years of experience specializing in PHP (Laravel) and JavaScript (React/Node) ecosystems. Experience managing the full Software Development Life Cycle, from requirements gathering to production deployment for high-traffic applications used by 2,500+ users. Strong technical foundation in SQL database management, RESTful API development, and cloud infrastructure (AWS/Docker). Collaborative team player skilled in bridging business requirements with technical execution to deliver stable, high-performance software solutions.

SKILLS

JavaScript, TypeScript, React.js, HTML/CSS, Tailwind CSS, jQuery,
Node.js, PHP, Laravel, RESTful APIs,
MySQL, MongoDB, AWS, Docker,
Git, Agile, Postman, Scrum, JIRA, Figma,
Object-Oriented Programming, Agile Methodologies, Software Documentation,
Project Planning, Project Management, Team Management.

WORK HISTORY

Associate Software Engineer XGEN GROUP, AUSTRALIA

Nov 2023 - Nov 2025

- Engineered scalable RESTful APIs to support SmartOps application integrations, ensuring seamless data synchronization for a user base of 2,500+ marketing officers.
- Accelerated system performance by 80% through the implementation of GZIP compression for high-volume image upload processes, significantly reducing server load.
- Architected real-time business intelligence dashboards and custom reporting tools, enabling data-driven decision-making for 500+ executives.
- Spearheaded a major code refactoring initiative, transforming legacy monolithic files (4,000+ lines) into modular, reusable functions to improve maintainability and reduce technical debt.
- Translated complex business needs into technical User Requirement Specifications (URS), successfully delivering 50+ client features aligned with strategic business goals.
- Collaborated on release planning, backlog grooming, and client meetings to align deliverables with business goals.
- Optimized database performance by developing advanced SQL queries for complex analytics, reporting, and data extraction.

Intern Software Engineer XGEN GROUP, AUSTRALIA

Apr 2023 - Nov 2023

- Executed a critical legacy system migration by upgrading the core codebase from PHP 5.5 to 8.2, ensuring modern security compliance and improved application performance.
- Resolved high-priority system bugs and implemented Change Requests (CRs) for major global enterprise clients, ensuring system stability.
- Enhanced frontend user interactivity and responsiveness using jQuery and JavaScript, improving the overall user experience (UX) for legacy web applications.
- Collaborated with senior developers to diagnose root causes of production issues, utilizing detailed debugging and testing methodologies

EDUCATION

Bachelor of Science in Computer Science, Jan 2023 - Sep 2027

University of Westminster

Associated with IIT

- Studying a comprehensive computer science program, currently in my 4th year of study, with a focus on software development, databases, client-server architecture, and system design.
- Gained a strong foundation in computer science principles and engineering practices that have been instrumental in my professional career.

GCE Advanced Level

St Paul's Girls School, Milagiriya

- Studied physics, chemistry, biology

GCE Ordinary Level

Vidura College, Colombo

- Announcing team , chess club , media unit , little friends , Girl guiding (up to first-class award) , student choir
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CERTIFICATIONS

AWS CERTIFIED CLOUD PRACTITIONER

- Building IT fundamental skills, working knowledge of Linux OS, and writing scripts in Python and Shell.
- Learning how to apply core AWS services in the area of computing, storage, and networking, including EC2, S3, IAM, VPC, Lambda, CloudFormation, RDS, and Route 53.

POSTMAN API FUNDAMENTALS STUDENT EXPERT

UNIVERSITY OF CAMBRIDGE

- ESOL Exams: Starters, Movers, Flyers, KET, PET, FCE
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PROJECTS

PERSONAL PORTFOLIO : <https://upani-ayanga.vercel.app/>

- A professionally crafted personal portfolio built with Next.js, showcasing my experience, technical skills, and projects.
- The site is responsive and features sections including About, Experience, Projects, Education, Certifications, and Contact, designed to present a clear and engaging overview of my abilities as a Full Stack Developer and Project Manager.
- Stack : NextJs

SKILL GATE OFFICIAL WEBSITE: <https://www.skillgate.lk>

- Designed and developed a high-performance platform built with Next.js and Node.js for optimal rendering speed for Skill Gate Lean Six Sigma Operational Institute, Sri Lanka.
- Stack : Next.js, Node.js, MongoDB, Tailwind CSS, Framer Motion

TEA DROP : WORDPRESS E-COMMERCE SITE

- Developed a fully functional WordPress e-commerce site, Tea Drop, featuring WooCommerce integration for product management and payments, custom themes for a responsive design, and plugins like Yoast SEO and Contact Form 7 for enhanced user experience.
- Stack : WordPress, WooCommerce, PHP, MySQL, PHP MyAdmin

PERFECT ESTATE : A REACT APP : <https://property-finder-website-2e7x.vercel.app/>

- A responsive, client-side web application with React and React-Bootstrap.
 - Includes several interactive features such as property search, viewing property details, and managing a favorite property list.
 - Stack : React, React-Bootstrap
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ADDITIONAL INFO

LANGUAGES

- English, Sinhala.

VOLUNTEERING

- Fundraising Volunteer at HelpAge, Girl Guide.