# SAM NEPAL
**Full Stack Developer**

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**Portfolio**:https://samundra.dev | **LinkedIn**:https://www.linkedin.com/in/samundranepal | **Github**: https://github.com/SamundraNepal

Melbourne, Victoria 3074, Australia

## SUMMARY

Full Stack Developer with **3+ years of experience** delivering **scalable, production-ready web applications** and interactive software. Skilled in **React.js, Next.js, Node.js, TypeScript**, and **AWS/Linux cloud deployments**. Background in **high-performance interactive systems** (games, real-time apps) with strengths in **optimization, engineering** fundamentals**,** and **user-centered design**. Have **built** software actively used by **businesses, clients,** and **educational institutions**.

## TECHNICAL SKILLS

**Frontend**: React.js, Next.js, HTML, CSS, Tailwind, TypeScript, JavaScript

**Backend**: Node.js, Express.js, REST APIs, JWT, Sequelize

**Databases**: MongoDB, MySQL, PostgreSQL, Supabase

**Cloud & DevOps**: AWS (EC2, S3, Lambda), Cloudflare Tunnel, Docker

**Additional Skills**: Unity, Unreal Engine, Maya, C++, C#

## WORK EXPERIENCE

**Software Developer (Interactive Systems)** 05/ 2021 to  01/2023
**Liminal VR,** Abbotsford VIC

- Engineered **interactive** software systems with complex state **management**, real-time **user** input handling, and **performance**.
- Built **modular** components that improved system **efficiency** and increased user **engagement** by **40%**.
- Collaborated with a 5-person **multidisciplinary** team using **Agile** methodologies.
- Optimised **application** performance for **mobile** hardware, **improving** load times and **responsiveness**.

**Software Developer (Education Technology)**  03/2023 to 08/2024
**ACS**, Sydney NSW

- Designed and enhanced **interactive** learning **applications** used by **200** plus students across **3 schools**.
- Built reusable **modules**, improving **development** efficiency and long-term **maintainability**.
- Worked with **stakeholders** to gather **requirements** and translate them into functional, user-friendly **applications**.
- **Delivered** software optimised for **stability**, accessibility, and **real**-time **interaction**.

## PROJECTS

**1) Travel and Tourism** — https://travelandtourism.samundra.dev
**Tech: Next.js, Tailwind, TypeScript, Stripe, MySQL, AWS EC2**

- **Built** and deployed a full **end-to-end** booking **platform** for a **real** tourism **business** actively used by **international customers.**
- Developed a robust **admin dashboard** enabling seamless **management** of destinations, packages, pricing, and **client enquiries.**
- Integrated **Stripe** for secure online **payments**, automated **confirmations**, and **reduced** manual **processing**.
- Delivered a fully **responsive**, high-performance **UI** that increased accessibility and improved **customer** conversion.
- Continuously **maintain** and optimise the **platform** to ensure reliability and **smooth** operation in **production**.

**2) Doctor Reservation System** — https://drs.samundra.dev
**Tech: React.js, Tailwind, TypeScript, Node.js, PostgreSQL, AWS EC2**

- Engineered a full patient **booking** system with a **doctor** directory and **disease information** modules to support **healthcare** navigation.
- Built **dedicated** admin **dashboards** for **clinics**, enabling efficient management of doctors, schedules, and appointment **workflows**.
- Implemented **booking** confirmations, detailed doctor profiles, and **specialty**-based search to improve **user** experience and **discovery**.
- Deployed on **AWS EC2** with **PostgreSQL**, ensuring secure, scalable, and high-performance operations in **production**.

**3) Self-Hosted Media** — https://media.samundra.dev
**Tech:Next.js, Node.js, Express, MongoDB, Tailwind, Linux, Cloudflare**

- Created a **secure**, private "Google Photos–style" cloud media system for **uploading**, viewing, and managing personal **media**.
- Deployed on a **self-managed Linux server** with **Nginx** routing and **Cloudflare** Tunnel for secure **remote** access.
- Built a **responsive** gallery **UI** with reliable upload handling and **seamless** access across **devices**.
- Designed the **platform** for **performance**, multi-device **accessibility**, and long-term personal **backup** storage.

## EDUCATION

**Bachelor of Games Development — SAE University College**