

Ana Lamba

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EDUCATION

Virginia Commonwealth University

Bachelor of Arts in Political Science

Richmond, VA

Aug. 2021 – May 2025

Virginia Commonwealth University

Bachelor of Arts in History

Richmond, VA

Aug. 2021 – May 2025

EXPERIENCE

Fullstack Engineer

Freelance

Mar. 2016 – Present

Richmond, VA

- Managed all aspects of website development projects ranging from Call-to-Actions and E-Commerce (Shopify, Woocommerce), from initial client consultation to final deployment and maintenance.
- Often used **WordPress**, **Next.js**, and **TailwindCSS** to build websites for clients in various industries, including e-commerce, real estate, and healthcare.
- Developed project plans, timelines, and budgets for each website project, ensuring on-time and within-budget delivery.
- Coordinated with clients to gather requirements, provide updates, and address any concerns.

Software Engineer

Horizen

Mar. 2016 – Oct. 2019

Freelance, Contractor

- Coordinated the efforts of a distributed team of developers to ensure the successful launch and scaling of the Horizen **blockchain**.
- Pioneered the protocol for Horizen nodes to communicate via **TLS** encrypted channels, a first in **cryptocurrency** space.
- Engineered and maintained robust **DevOps** frameworks using **Jenkins**, **Git**, and **Docker**, increasing deployment efficiency and system uptime by 40%

PROJECTS

SimpleLink | *Rust, React, PostgreSQL, Docker*

Jan 2025 – Present

- Developed a high-performance link shortener and tracker, utilizing **Rust** for the backend to achieve a minimal memory footprint (2MB) and optimal speed.
- Designed a responsive and intuitive user interface using **React**, providing a seamless experience for managing and tracking shortened links.
- Implemented support for both **PostgreSQL** and **SQLite** databases, providing users with flexibility and scalability options based on their needs.

Embedder | *TypeScript, Express, HTMX, FFmpeg, SQLite*

May 2022 – May 2023

- Developed a high-performance image and video hosting platform optimized for embedding into sites like Discord and Facebook, leveraging **Express** for the backend and **SQLite** for lightweight data storage.
- Implemented **FFmpeg** to automatically convert uploaded videos to optimized formats, ensuring maximum quality and minimal file size for seamless embedding.
- Implemented a **RESTful** API using **Express**, enabling easy integration with other applications and services.

TECHNICAL SKILLS

Languages: TypeScript, Python, C/C++, SQL (Postgres/SQLite), JavaScript, HTML/CSS, Rust, Go

Frameworks: React, Node.js, Flask, Next.js, WordPress, TailwindCSS, FastAPI

Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, AWS, Azure, VS Code, Visual Studio, Eclipse

Libraries: pandas, NumPy, Matplotlib, pytorch