Pasindu Wijesena

Passionate about leading teams, solving problems, and building scalable applications.

@ pasindu.wijesena@gmail.com ⬮ github.com/pasinducw ⬮ linkedin.com/in/pasindu-wijesena

Skills

Programming Languages: Typescript/Javascript, Python, C++
Development Frameworks and Tools¡: Node.js, React, React Native, Next.js, Redis, Docker, Kubernetes
Applied ML: LLMs (fine-tuning, prompt engineering), PyTorch, BigQuery, Pinecone
Cloud Platforms: GCP, AWS, Firebase

Professional Experience

Co-founder and CEO, *The AI Team*   *August 2018 - Present*
I led a team of 20+ engineers, researchers, and project managers to envision, build and launch bespoke businss applications.

- Founded, led the development, and launched a SaaS product (Lynn), an AI-powered chatbot that allows customer success teams to leverage their time on high-value tasks by taking care of ground level support for them. Lynn has helped thousands of users to quickly resolve their issues and has saved hundreds of hours of customer success teams.
  Highlights: Scalable knowledge ingestion pipeline; Polyglot persistence with multiple databases; Research experiments on prompt engineering and fine-tuning LLMs

- Spearheaded the development of a custom PDF rendering system for a product (Atticus - a book writing/formatting tool); which significantly impacted the market position of the product, which is boasting over 20,000 authors to render beautiful books on the web-browser itself, together with a real-time previewer.
  Highlights: Web-workers to implement multi-threaded PDF rendering in browser; Customized layout engine to support floating, text wrapping, unicode characters, footnotes, and dynamic inside/outside margins

- Led the development team in a remote team augmentation project to build a white-labeled online wagering platform for the Australian market. Implemented features in both mobile and web applications, and launched within the expected timelines. Managed to impress the client, which led them to move all the technical operations from Australia to Sri Lanka.

Software Engineer, *Vudoir Hub*   *Jan 2019 - Sep 2020*
I worked remotely as full-stack software engineer, to help stabilize the Spain-based conversational marketing platform, and then introduce multiple core modules to increase its business value.

- Migrated the platform to an event-driven serverless architecture from the previous monolithic design, which reduced the monthly infrastructure cost by 90%.

- Refactored the data layer of platform to be responsive against traffic spikes, which eliminated platform failures in traffic spikes altogether.

- Developed a new data ingestion pipeline to handle large volumes of analytic data, which exposed more detailed events to the data science team. This enabled them to strengthen the user conversion metrics, allowing Vudoir to increase customer satisfaction through better quantification of the value it delivers.

Associate Software Engineer, *99x Technology*   *Feb 2017 - Dec 2017*
I worked on client projects in the fintech domain.

- Designed and developed a custom access-control module utilizing relational databases, to help with complex use cases on top of a role-based access-control mechanism. The module was utilized in multiple software projects by the company.

- Developed middleware scripts to integrate with a leading open-source API Gateway, and an Enterprise Service Bus.

- Acted as a go-to person within my team and beyond for advice on Angular and Javascript.

Education

Bachelor of Science (Honours) in Computer Science, *University of Colombo*   **GPA 3.97/4.0** *2018 - 2022*
Research Project: Extracting Complex Dynamics of Music with Machine-Learning for Music Similarity Measurement.

Achievements

- IEEEXtreme - World top-100
- International Olympiad in Informatics - Participant
- Asia Pacific ICT Alliance Awards - Gold Award
- Codeforces - Expert (1779 contest rating)

Volunteering

- Sri Lankan Olympiad in Informatics - Problem setter, team trainer, and member of the scientific committee.